



2002 Missouri State  
Highway System

*Traffic  
Accident  
Statistics*

Missouri Department of Transportation

Missouri State Highway System  
Traffic Accident Statistics  
Table of Contents

Subject

Chapter 1:	Statewide Traffic Accident Statistics, Introduction
A.	Accidents by Type
B.	Accidents by Contributing Circumstances
C.	Accidents by Population Grouping
D.	Accidents by Route Marking
F.	Accidents by Driver's Age
G.	Accidents by Hour, Day and Month
H.	Accidents by Weather Condition
I.	Accidents by Vehicle Type
J.	Accidents by Light Condition
K.	Accidents by Fixed Object Struck
L.	Accidents by Intersection Type
M.	Accidents Involving Pedestrians
N.	Accidents by Investigator

*Chapter 1*

2002 STATEWIDE TRAFFIC ACCIDENT STATISTICS

The following summary of traffic accidents represents only those accidents that have occurred on the State Highway System of Missouri in 2002. The information contained in this publication is a summary of the accident reports provided to the Missouri Department of Transportation. This publication is possible only through the conscientious reporting efforts of Missouri Law Enforcement Agencies.

These statistics are compiled pursuant to federal law, 23 USC Section 152.

### **Chapter 1-A : ACCIDENTS BY TYPE**

This section divides total 2002 accidents by the type of impact severity. It further distinguishes the types by indicating whether they occurred “ON” or “OFF” the roadway.



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Type**

Date: 7/2/2003

Accident Type	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
<b>ACCIDENT TYPE OFF ROAD</b>						
RAN OFF ROAD	4	5	108	199	318	430
RAN OFF ROAD-ANIMAL OTHER THAN DEER	0	0	1	1	4	5
RAN OFF ROAD-BICYCLIST OR PEDALCYCLIST	0	0	3	3	11	14
RAN OFF ROAD-DEER	0	0	2	2	20	22
RAN OFF ROAD-FIXED OBJECT	294	310	6,698	8868	10,005	16,997
RAN OFF ROAD-MOTOR VEHICLE IN TRAFFIC	0	0	0	0	0	0
RAN OFF ROAD-OTHER OBJECT	3	3	40	55	121	164
RAN OFF ROAD-OTHER/NONCOLLISION	1	1	72	85	253	326
RAN OFF ROAD-OVERTURNED ON ROADWAY	0	0	0	0	0	0
RAN OFF ROAD-OVERTURNING	71	79	1,295	1843	966	2,332
RAN OFF ROAD-PARKED MOTOR VEHICLE	6	6	184	274	683	873
RAN OFF ROAD-PEDESTRIAN	2	2	22	25	1	25
RAN OFF ROAD-RAILROAD TRAIN	0	0	0	0	0	0
<b>Subtotal</b>	<b>381</b>	<b>406</b>	<b>8,425</b>	<b>11,355</b>	<b>12,382</b>	<b>21,188</b>
<b>ACCIDENT TYPE ON ROAD</b>						
ANIMAL OTHER THAN DEER	3	3	106	137	622	731
BICYCLIST OR PEDALCYCLIST	5	5	25	27	122	152
CHAIN REACTION REAR END	16	22	2,385	4384	3,192	5,593
DEER	2	2	234	266	3,268	3,504
FIXED OBJECT	8	10	265	334	585	858
MOTOR VEHICLE IN TRAFFIC	313	369	14,888	24307	44,118	59,319
OTHER NON - COLLISION	5	5	114	134	633	752
OTHER OBJECT	2	3	88	125	940	1,030
OVERTURNED ON ROADWAY	23	28	500	718	278	801
OVERTURNING	0	0	0	0	0	0
PARKED MOTOR VEHICLE	1	1	17	25	99	117
PEDESTRIAN	43	43	229	261	13	285
RAILROAD TRAIN	2	4	4	5	4	10
RAN OFF ROAD-MOTOR VEHICLE ON OTHER ROAD	18	21	96	220	169	283
<b>Subtotal</b>	<b>441</b>	<b>516</b>	<b>18,951</b>	<b>30,943</b>	<b>54,043</b>	<b>73,435</b>
<b>Totals</b>	<b>822</b>	<b>922</b>	<b>27,376</b>	<b>42298</b>	<b>66,425</b>	<b>94,623</b>

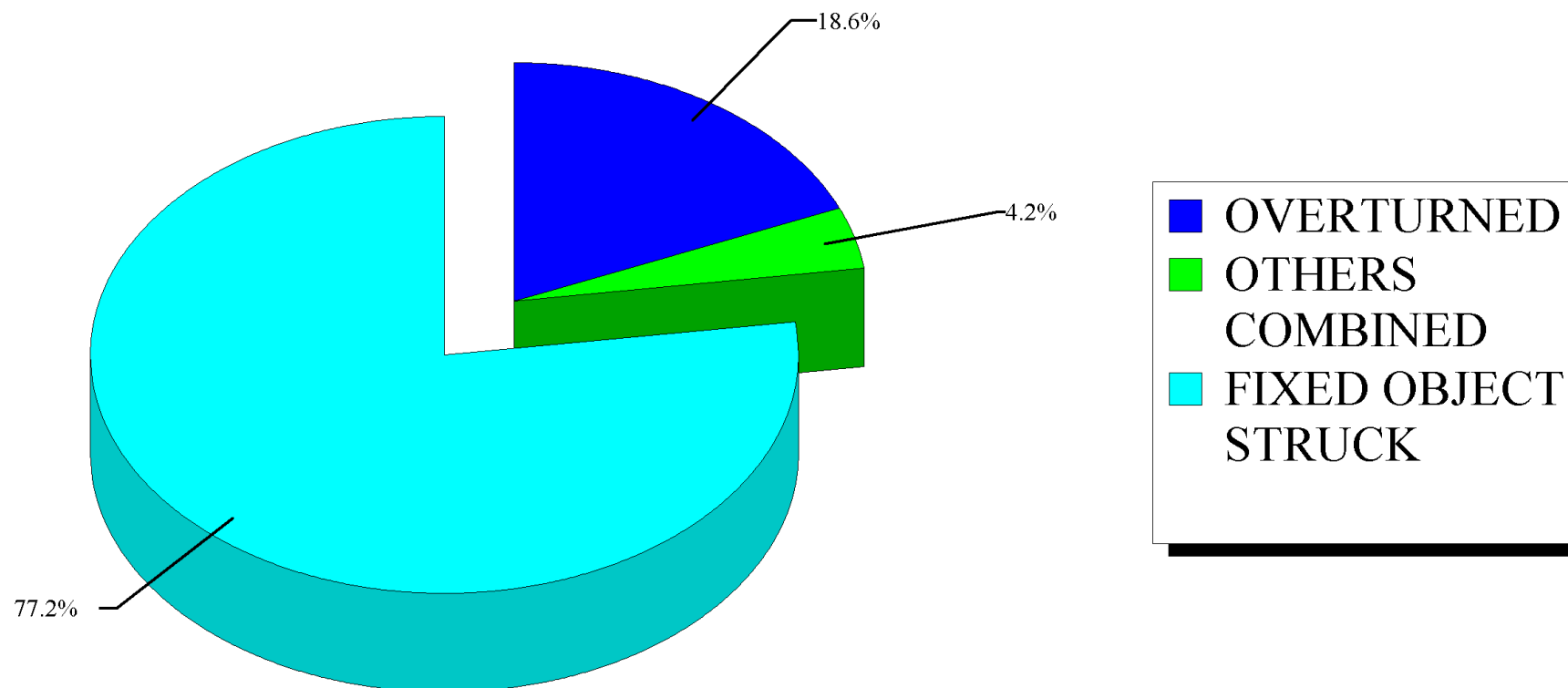


Missouri Department of Transportation  
Transportation Planning

Date: 7/2/2003

2002 Accidents by Type  
381 Fatal Accidents 'OFF' Roadway

Accident Type	Fatal Accidents
OVERTURNED	71
OTHERS COMBINED	16
FIXED OBJECT STRUCK	294



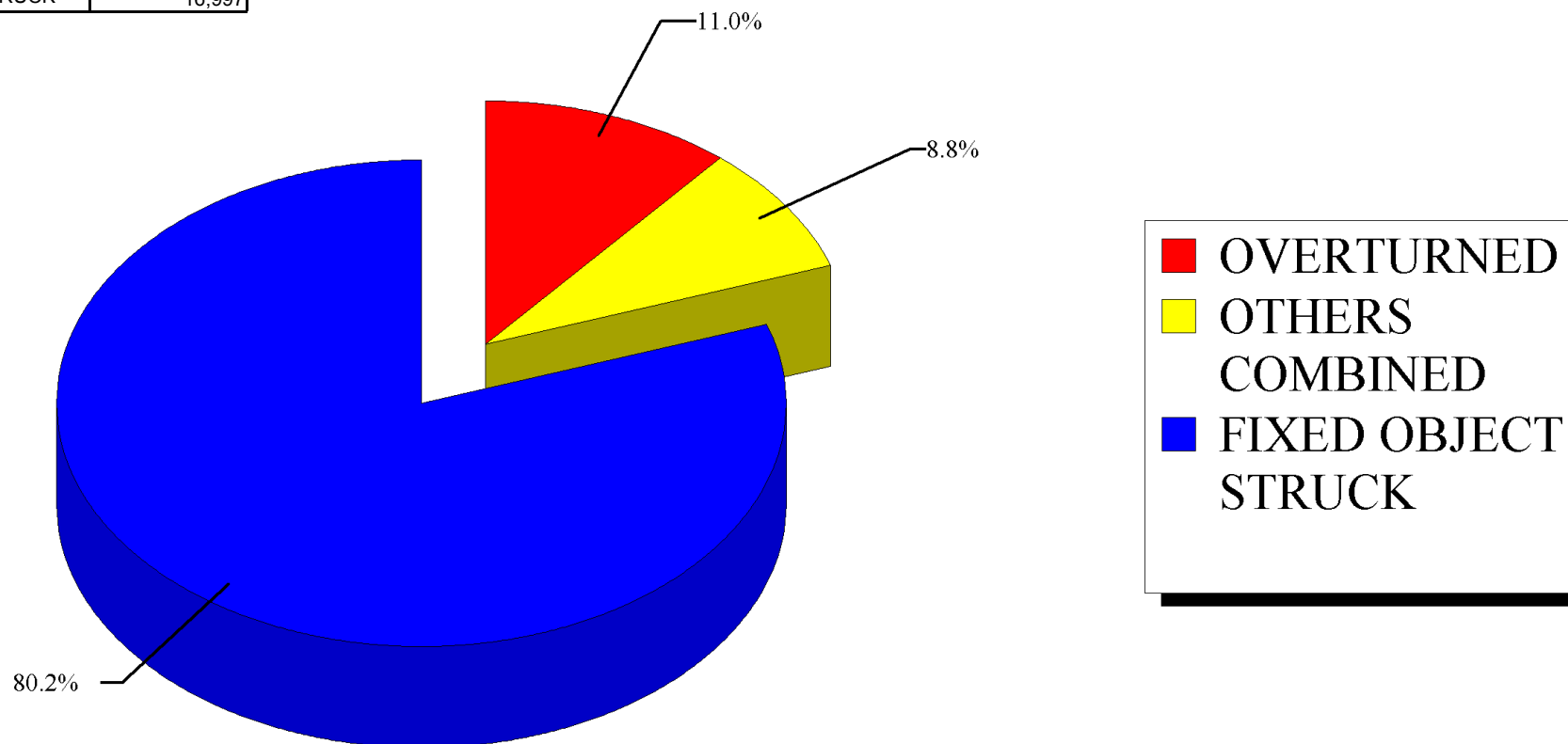


Missouri Department of Transportation  
Transportation Planning

Date: 7/2/2003

2002 Accidents by Type  
21,188 Total Accidents "OFF" Roadway

ACCIDENT TYPE	Total Accidents
OVERTURNED	2,332
OTHERS COMBINED	1,859
FIXED OBJECT STRUCK	16,997



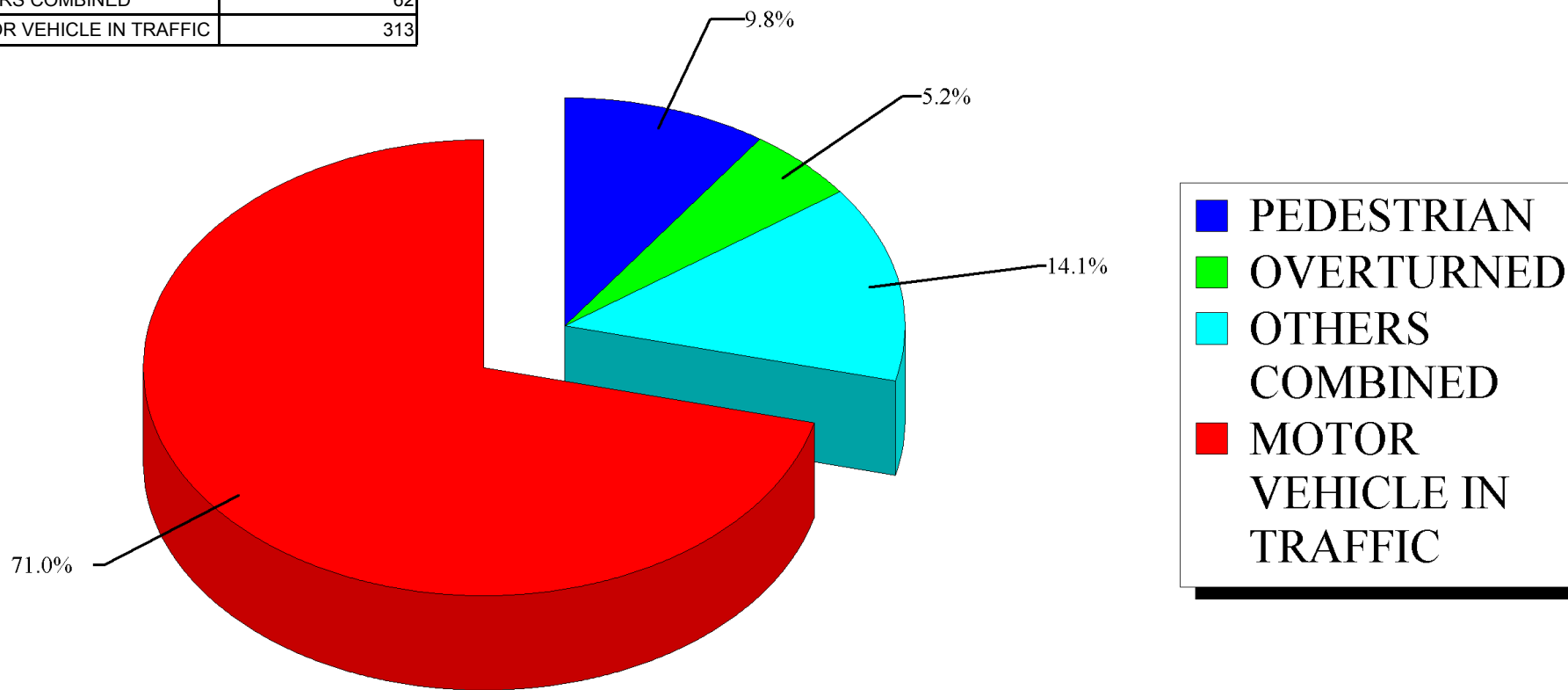


Missouri Department of Transportation  
Transportation Planning

Date: 7/2/2003

2002 Accidents by Type  
441 Fatal Accidents 'ON' Roadway

Accident Type	Fatal Accidents
PEDESTRIAN	43
OVERTURNED	23
OTHERS COMBINED	62
MOTOR VEHICLE IN TRAFFIC	313





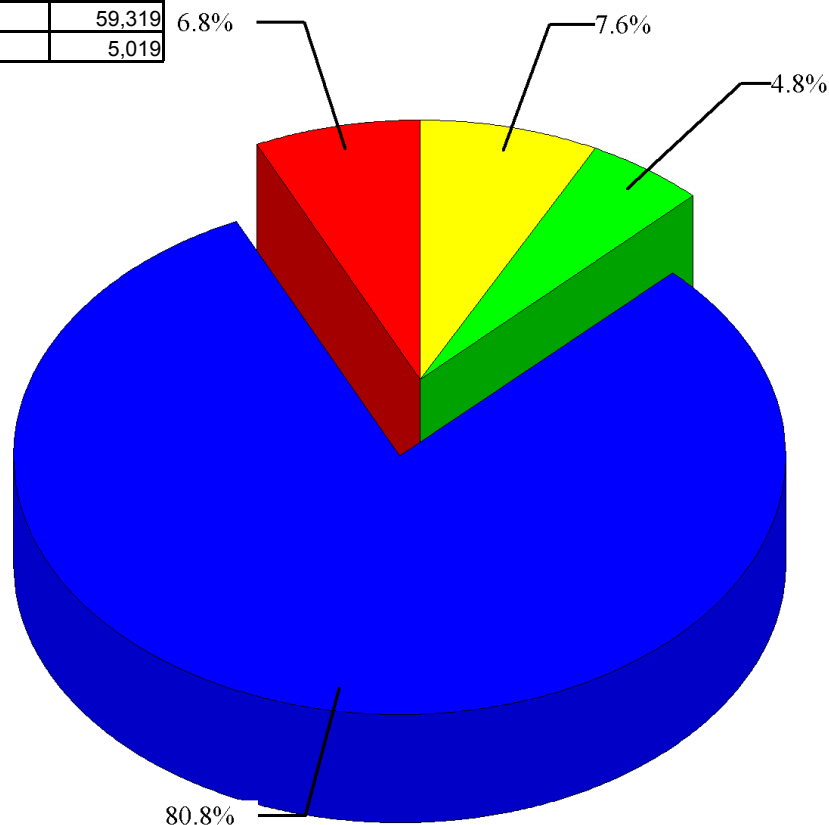


Missouri Department of Transportation  
Transportation Planning

Date: 7/2/2003

2002 Accidents by Type  
73,435 Total Accidents "ON" Roadway

ACCIDENT TYPE	Total Accidents
CHAIN REACTION REAR END	5,593
DEER	3,504
MOTOR VEHICLE IN TRAFFIC	59,319
OTHERS COMBINED	5,019



- CHAIN REACTION REAR END
- DEER
- MOTOR VEHICLE IN TRAFFIC
- OTHERS COMBINED

### **Chapter 1-B : ACCIDENTS BY CONTRIBUTING CIRCUMSTANCES**

This section deals with the circumstances that contributed to accidents in 2002. The total number of reported accidents is somewhat less than the total number of contributing circumstances and the number of drivers because each accident could involve one or more drivers and one or more contributing circumstance.



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Contributing Circumstance**

Date: 7/2/2003

Contributing Circumstance	Fatal Accidents	Injury Accidents	PDO Accidents	Total Accidents
ACCIDENT AHEAD	16	470	1,031	1,517
CONGESTION AHEAD	15	3,114	8,673	11,802
DRINKING	187	2,235	1,954	4,376
DRUGS	18	222	198	438
FAILURE TO YIELD RT OF WAY	90	5,044	9,725	14,859
FOLLOWING TOO CLOSELY	17	4,501	13,018	17,536
IMPROPER BACKING	2	56	919	977
IMPROPER LANE USE-CHANGES	105	2,069	5,991	8,165
IMPROPER PARKED	0	14	35	49
IMPROPER PASSING	20	436	1,166	1,622
IMPROPER SIGNAL	1	65	178	244
IMPROPER START-PARKING	0	25	163	188
IMPROPER STOPPED	4	149	341	494
IMPROPER TURN	13	664	1,928	2,605
INATTENTION	173	7,783	18,668	26,624
NOT STATED OR UNKNOWN	403	18,543	52,727	71,673
PHYSICAL IMPAIRED	61	1,125	935	2,121
SPEED-EXCEEDED LIMIT	99	853	771	1,723
TOO FAST FOR CONDITIONS	208	5,921	10,147	16,276
TRAFFIC CONTROL INOPER/MISSING	0	25	76	101
VEHICLE DEFECTS	21	776	2,531	3,328
VIOLATION-SIGNAL/SIGN	36	1,260	1,682	2,978
WRONG SIDE	136	1,051	953	2,140
WRONG WAY	13	50	57	120
<b>Totals</b>	<b>1,638</b>	<b>56,451</b>	<b>133,867</b>	<b>191,956</b>

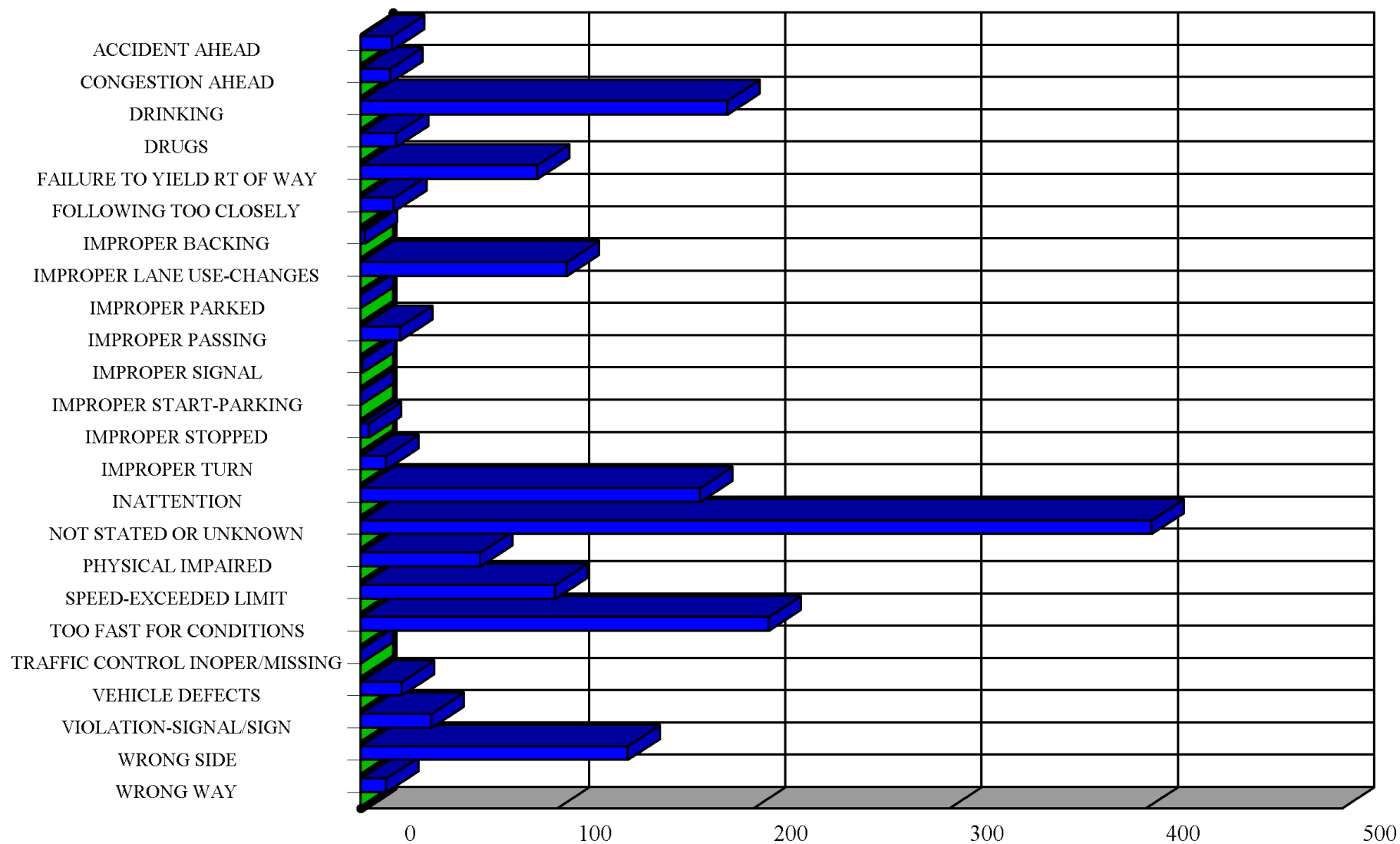
IN ACCIDENTS	822	27,376	66,425	94,623
FOR DRIVERS	1,314	49,362	119,107	169,783



# Missouri Department of Transportation Transportation Planning

Date: 7/7/2003

## Fatal Accidents by Contributing Circumstances 1314 Drivers involved in 822 Fatal Accidents

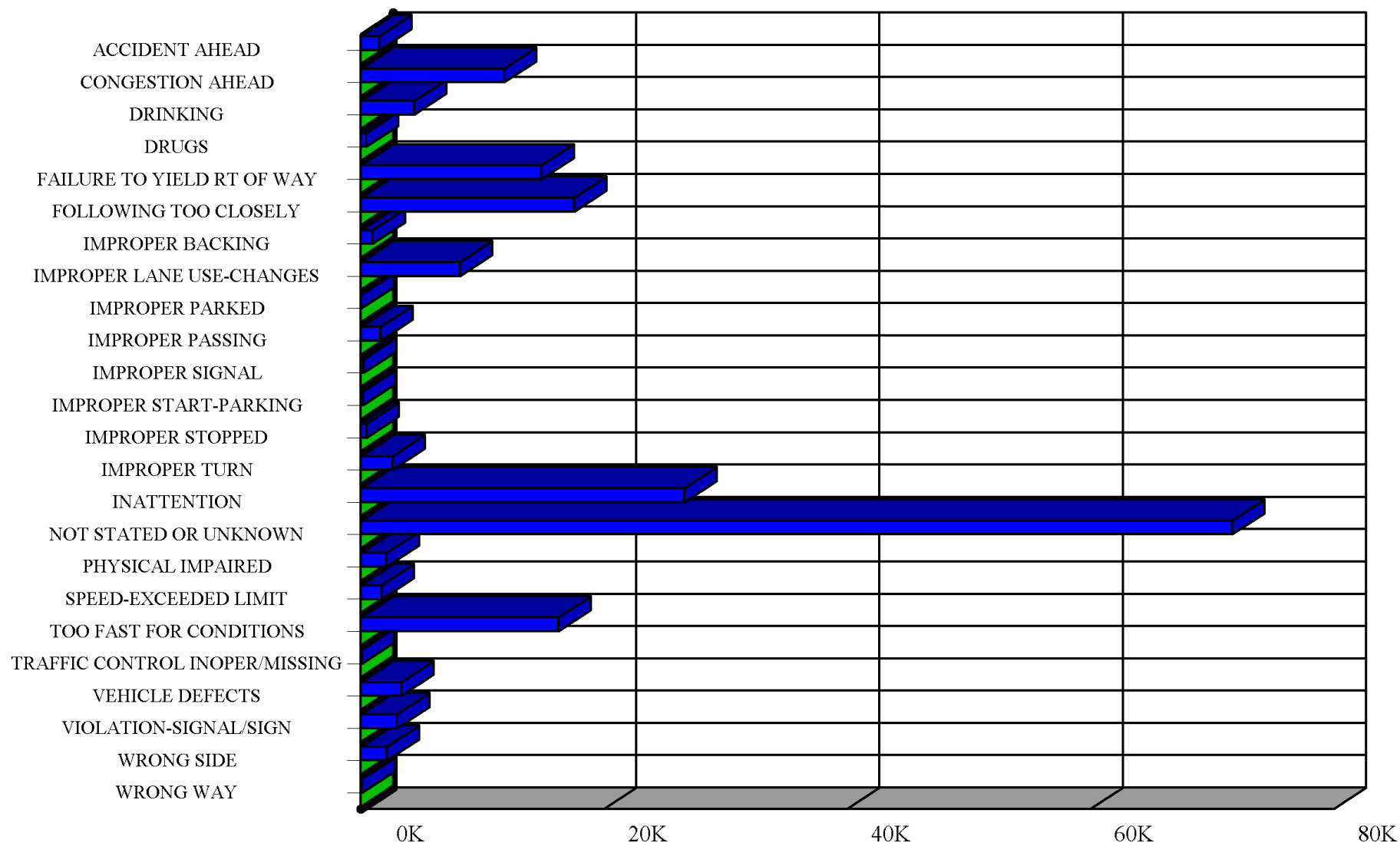




# Missouri Department of Transportation Transportation Planning

Date: 7/2/2003

**Total Accidents by Contributing Circumstances**  
**169783 Drivers involved in 94623 Total Accidents**



### **Chapter 1-C : ACCIDENTS BY POPULATION GROUPING**

In this section, accidents are grouped according to the population characteristics of their location. Four (4) categories are used: rural, urban (population 5,000 to 49,999), urbanized (population 50,000 to 99,999) and metropolitan (population 100,000 or greater).

Currently, the metropolitan boundaries have not been established; therefore, all metropolitan accidents have been included in the urbanized grouping.



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Population Grouping**

Date: 7/2/2003

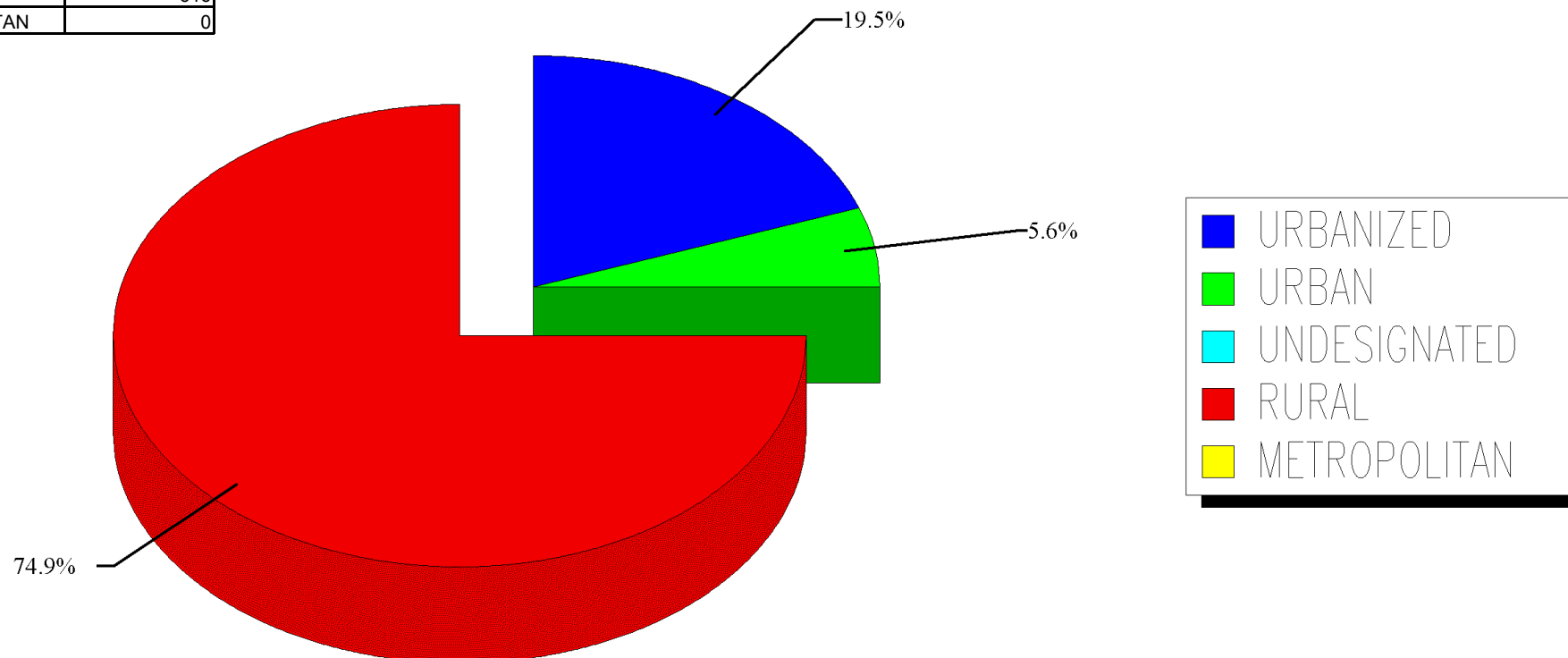
Population Grouping	Fatal Accidents	Injury Accidents	PDO Accidents	Total Accidents
METROPOLITAN	0	0	0	0
RURAL	616	12,657	24,555	37,828
UNDESIGNATED	0	0	0	0
URBAN	46	2,701	7,851	10,598
URBANIZED	160	12,018	34,019	46,197
<b>Totals</b>	<b>822</b>	<b>27,376</b>	<b>66,425</b>	<b>94,623</b>



Missouri Department of Transportation  
Transportation Planning  
2002 Fatal Accidents by Population Grouping  
822 Fatal Accidents

Date: 7/2/2003

Population Grouping	Total Fatal Accidents
URBANIZED	160
URBAN	46
UNDESIGNATED	0
RURAL	616
METROPOLITAN	0





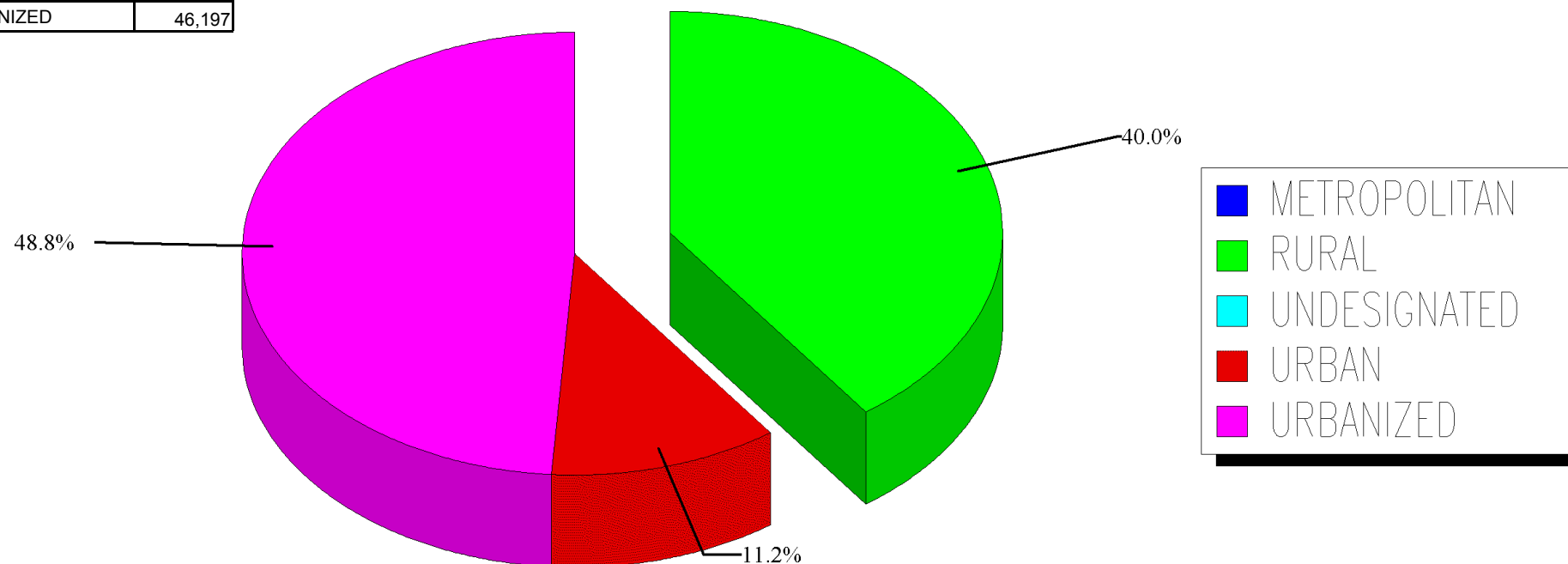


# Missouri Department of Transportation Transportation Planning

Date: 7/2/2003

## 2002 Accidents by Population Grouping 94,623 Total Accidents

Population Grouping	Total Accidents
METROPOLITAN	0
RURAL	37,828
UNDESIGNATED	0
URBAN	10,598
URBANIZED	46,197



### **Chapter 1-D : ACCIDENTS BY ROUTE MARKING**

In 2002, 0.87% of all accidents occurring on the Missouri Highway System resulted in fatalities and 28.9% resulted in injuries. This section separates these total accidents according to the route marking of the highways on which they occurred. In 2002, state numbered routes had the highest percentage of total accidents and U.S. numbered routes had the highest percentage of fatal accidents.



Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Route Marking Designation

Date: 7/2/2003

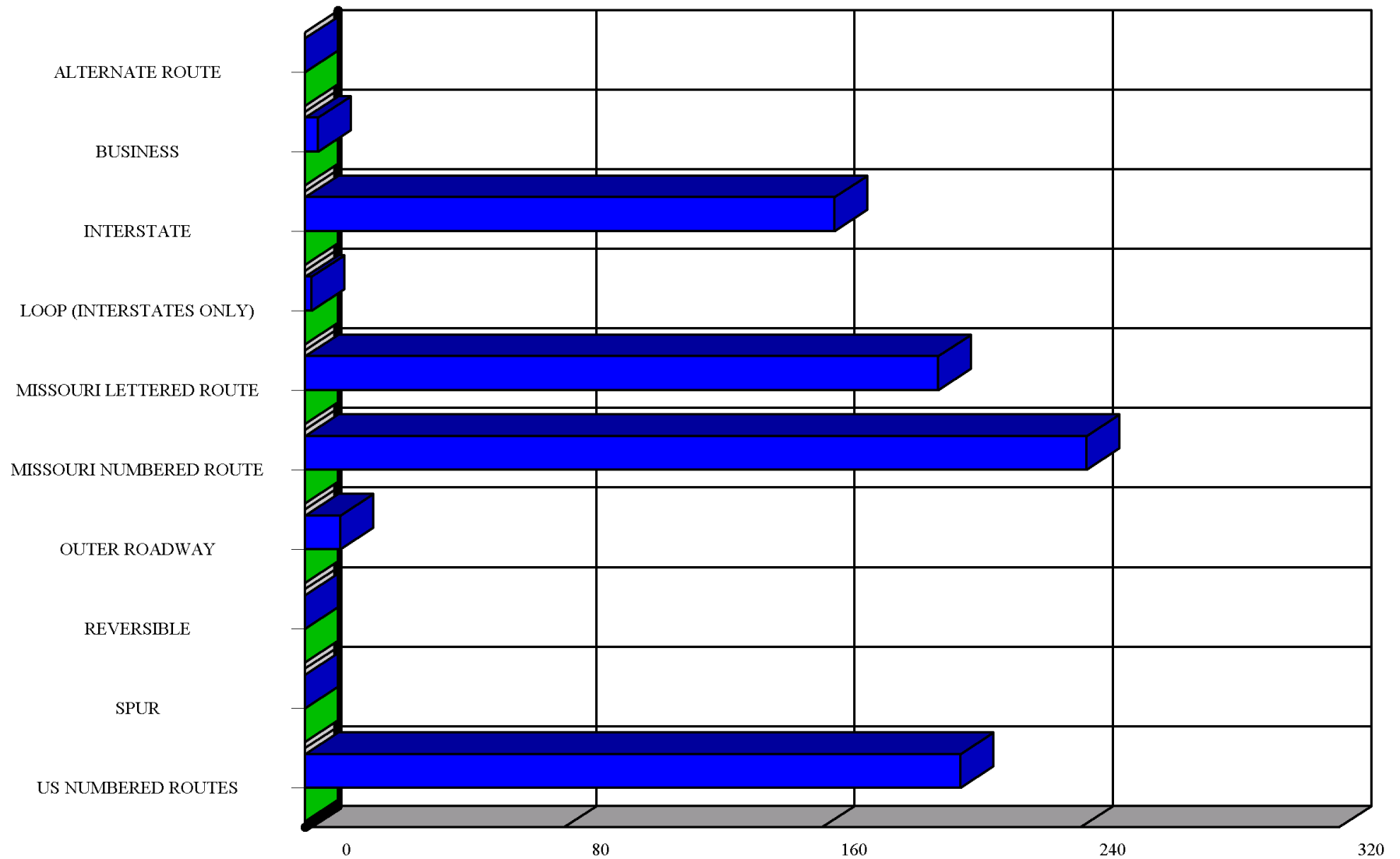
Route Marking Designation	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
ALTERNATE ROUTE	0	0	0	0	0	0
BUSINESS	4	6	941	1,488	2,291	3,236
INTERSTATE	164	191	4,925	7,464	14,793	19,882
LOOP (INTERSTATES ONLY)	2	2	292	477	731	1,025
MISSOURI LETTERED ROUTE	196	208	5,530	8,260	10,415	16,141
MISSOURI NUMBERED ROUTE	242	263	8,980	13,988	21,973	31,195
OUTER ROADWAY	11	13	572	876	1,443	2,026
REVERSIBLE	0	0	0	0	0	0
SPUR	0	0	32	52	117	149
US NUMBERED ROUTES	203	239	6,104	9,693	14,662	20,969
<b>Totals</b>	<b>822</b>	<b>922</b>	<b>27,376</b>	<b>42,298</b>	<b>66,425</b>	<b>94,623</b>



# Missouri Department of Transportation Transportation Planning

Date: 7/2/2003

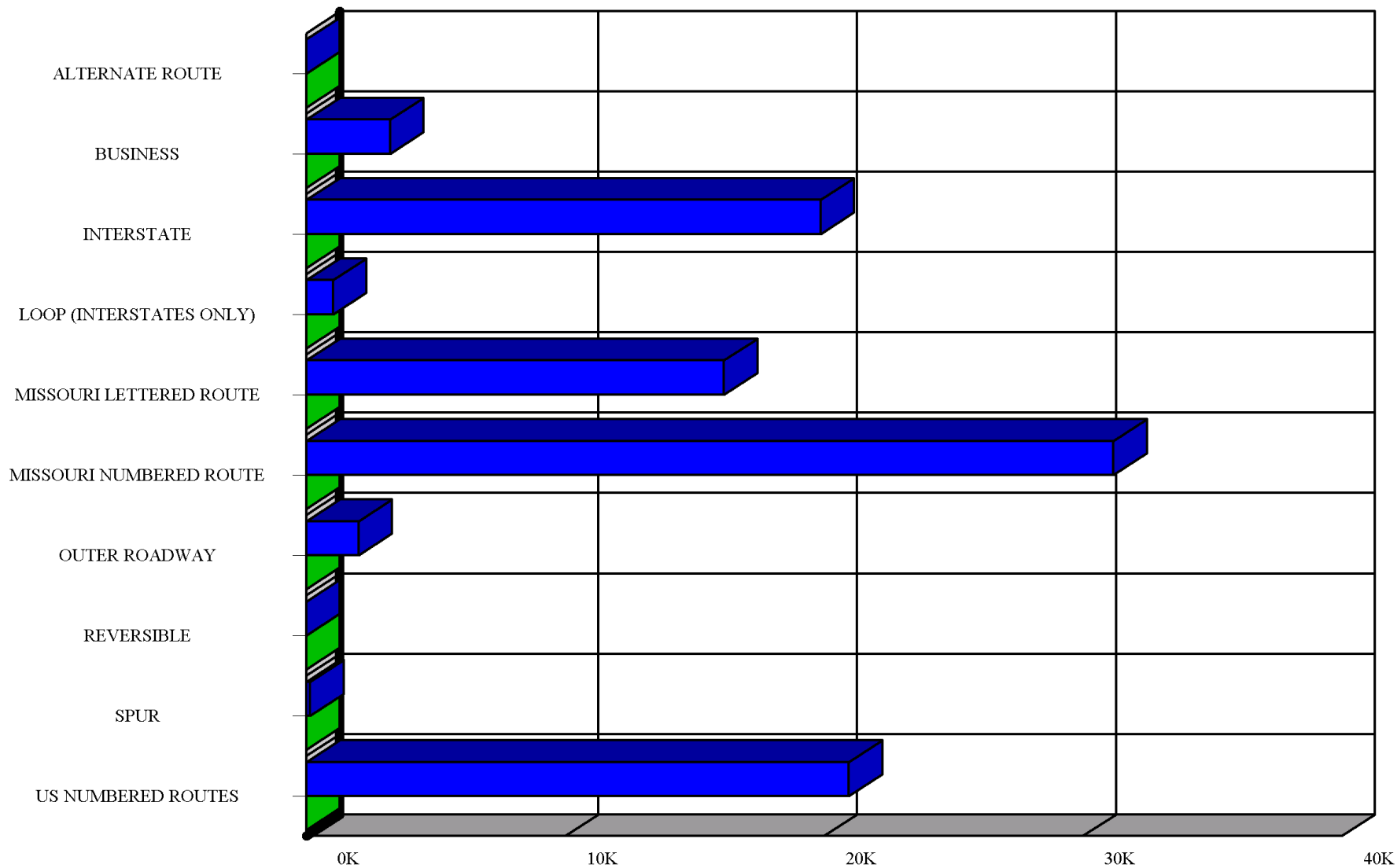
## Fatal Accidents by Route Marking Designation 822 Fatal Accidents





Missouri Department of Transportation  
Transportation Planning  
Accidents by Route Marking Designation  
94623 Total Accidents

Date: 7/2/2003



### **Chapter 1-F : ACCIDENTS BY DRIVER'S AGE**

This section examines driver age in relation to accident involvement. The total number of drivers by age group consists of individuals holding a valid operators or chauffeurs license in the state of Missouri.



Missouri Department of Transportation  
Transportation Planning

Date: 7/15/2003

2002 Accident Statistics by Drivers Age

Drivers Age Group	Driver Totals	% of Total Drivers	# Drivers In Accidents	% Drivers Involved in Accidents
16-20	301,592	6.96%	26,017	15.35%
21-25	379,389	8.75%	21,843	12.89%
26-30	369,669	8.53%	16,266	9.60%
31-35	408,805	9.43%	15,536	9.17%
36-40	438,735	10.12%	16,007	9.44%
41-45	464,300	10.71%	15,827	9.34%
46-50	419,087	9.67%	13,323	7.86%
51-55	366,068	8.44%	10,728	6.33%
55-60	288,707	6.66%	7,751	4.57%
61-65	228,084	5.26%	5,422	3.20%
66-70	190,867	4.40%	4,282	2.53%
71 & Over	478,913	11.05%	12,870	7.59%
Not Stated or Unknown	1,469	0.03%	3,620	2.14%



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Drivers Age**

Date: 7/2/2003

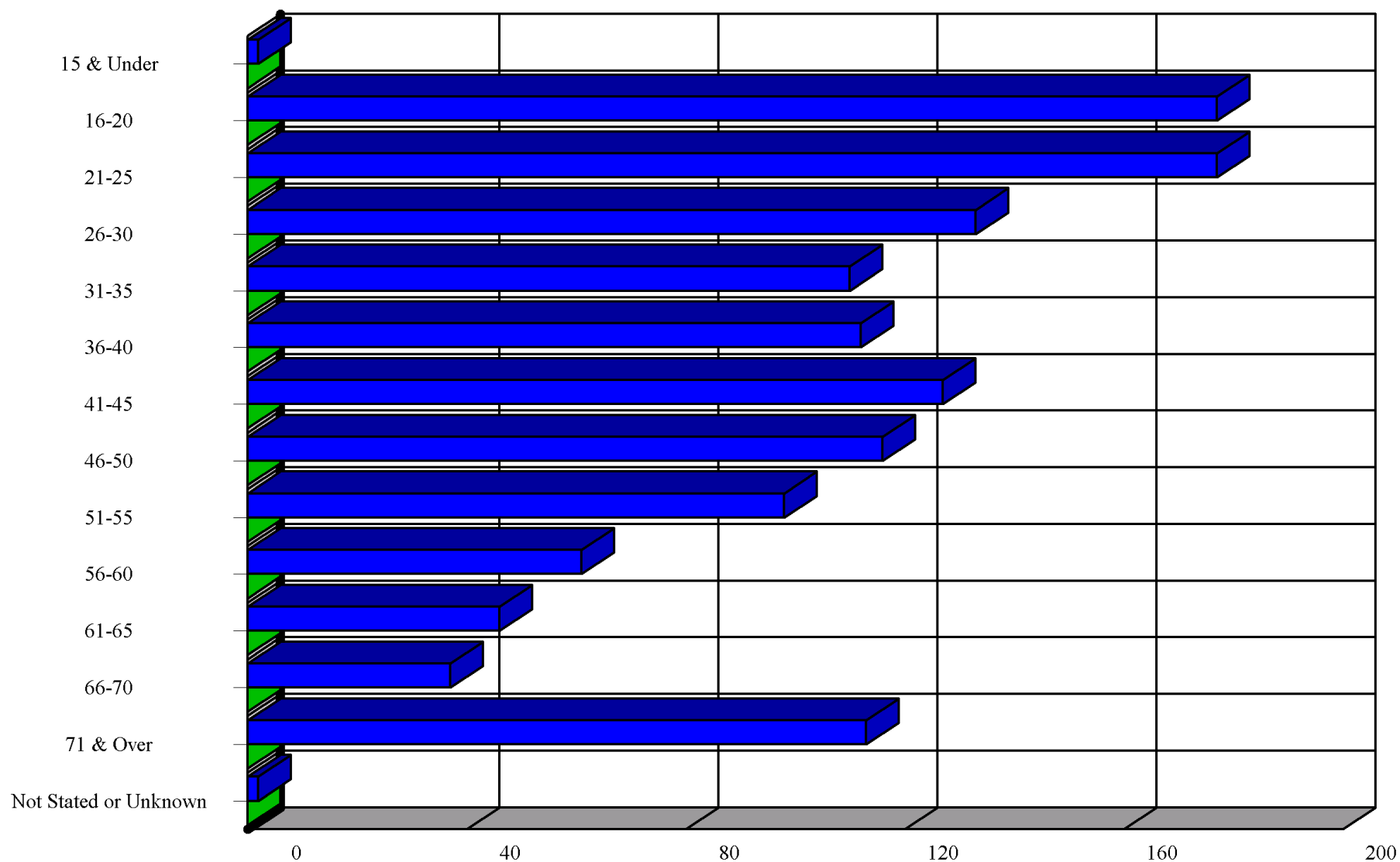
Driver Age Group	DRIVERS INVOLVED IN			
	Fatal Accidents	Injury Accidents	PDO Accidents	Total Accidents
15 & Under	2	109	180	291
16-20	177	8,029	17,811	26,017
21-25	177	6,546	15,120	21,843
26-30	133	4,706	11,427	16,266
31-35	110	4,546	10,880	15,536
36-40	112	4,747	11,148	16,007
41-45	127	4,615	11,085	15,827
46-50	116	3,994	9,213	13,323
51-55	98	3,152	7,478	10,728
56-60	61	2,289	5,401	7,751
61-65	46	1,576	3,800	5,422
66-70	37	1,317	2,928	4,282
71 & Over	113	3,106	9,651	12,870
Not Stated or Unknown	2	521	3,097	3,620
<b>TOTALS</b>	<b>1,311</b>	<b>49,253</b>	<b>119,219</b>	<b>169,783</b>





Missouri Department of Transportation  
Transportation Planning  
Fatal Accidents by Drivers Age  
1314 Drivers Involved in 822 Accidents

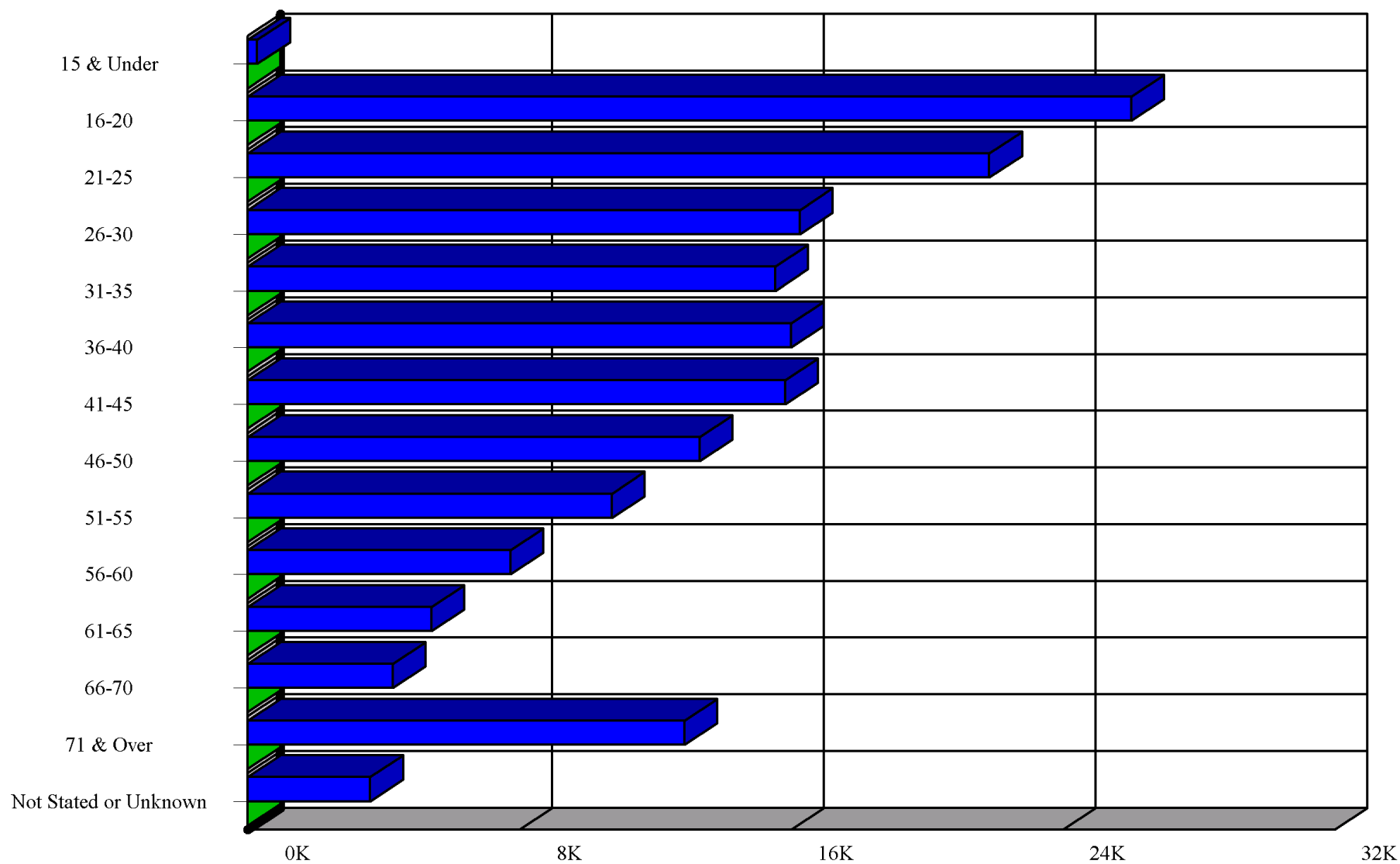
Date: 7/2/2003





Missouri Department of Transportation  
Transportation Planning  
Total Accidents by Drivers Age  
169783 Drivers Involved in 94623 Total Accidents

Date: 7/2/2003



### **Chapter 1-G : ACCIDENTS BY HOUR, DAY AND MONTH**

The hour of 3:00 p.m. to 4:00 p.m. was the hour of highest percentage of total accidents. The hour of 3:00 p.m to 4:00 p.m. was the hour of the highest percentage of fatal accidents during 2002.

Saturday was the day with the largest percentage of fatal accidents at 18.6%.

June had the largest number of fatal accidents. August had the largest number of injury accidents. December had the largest number of total accidents in 2002.



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Time of Day**

Date: 7/2/2003

Time of Day	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
12:00M - 12:59 AM	29	30	531	825	949	1,509
1:00 - 1:59 AM	36	38	532	772	919	1,487
2:00 - 2:59 AM	21	23	369	531	602	992
3:00 - 3:59 AM	22	25	289	389	506	817
4:00 - 4:59 AM	22	24	266	366	524	812
5:00 - 5:59 AM	23	27	408	550	900	1,331
6:00 - 6:59 AM	16	19	803	1,087	1,891	2,710
7:00 - 7:59 AM	31	34	1,472	2,025	3,835	5,338
8:00 - 8:59 AM	32	41	1,112	1,576	3,126	4,270
9:00 - 9:59 AM	27	30	1,052	1,563	2,518	3,597
10:00 - 10:59 AM	33	36	1,167	1,801	2,919	4,119
11:00 - 11:59 AM	28	32	1,373	2,161	3,552	4,953
12:00N - 12:59 PM	38	45	1,708	2,689	4,236	5,982
1:00 - 1:59 PM	44	49	1,680	2,690	3,992	5,716
2:00 - 2:59 PM	39	48	1,787	2,823	4,256	6,082
3:00 - 3:59 PM	55	61	2,358	3,836	5,966	8,379
4:00 - 4:59 PM	33	38	2,252	3,554	5,703	7,988
5:00 - 5:59 PM	44	46	2,177	3,528	5,832	8,053
6:00 - 6:59 PM	50	63	1,522	2,417	3,899	5,471
7:00 - 7:59 PM	36	41	1,097	1,750	2,726	3,859
8:00 - 8:59 PM	35	36	917	1,489	2,109	3,061
9:00 - 9:59 PM	48	51	963	1,492	2,128	3,139
10:00 - 10:59 PM	36	38	785	1,202	1,676	2,497
11:00 - 11:59 PM	39	42	688	1,090	1,352	2,079
NOT STATED	5	5	68	92	309	382
<b>Totals</b>	<b>822</b>	<b>922</b>	<b>27,376</b>	<b>42,298</b>	<b>66,425</b>	<b>94,623</b>



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Day of Week**

Date: 7/2/2003

Day of Week	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
MONDAY	98	115	3,631	5,542	9,041	12,770
TUESDAY	103	112	3,967	5,909	10,105	14,175
WEDNESDAY	96	103	3,940	5,890	10,312	14,348
THURSDAY	109	119	3,822	5,776	9,776	13,707
FRIDAY	149	166	4,867	7,462	12,218	17,234
SATURDAY	153	176	4,105	6,793	9,004	13,262
SUNDAY	114	131	3,044	4,926	5,969	9,127
UNKNOWN	0	0	0	0	0	0
<b>Totals</b>	<b>822</b>	<b>922</b>	<b>27,376</b>	<b>42,298</b>	<b>66,425</b>	<b>94,623</b>



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Month**

Date: 7/2/2003

Month	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
JANUARY	63	70	2,198	3,287	5,535	7,796
FEBRUARY	63	67	1,807	2,787	4,507	6,377
MARCH	58	68	2,224	3,451	5,573	7,855
APRIL	50	57	2,263	3,498	5,341	7,654
MAY	62	68	2,465	3,740	6,046	8,573
JUNE	88	100	2,393	3,801	5,248	7,729
JULY	66	76	2,369	3,829	5,298	7,733
AUGUST	68	74	2,497	3,969	5,459	8,024
SEPTEMBER	86	99	2,246	3,459	5,266	7,598
OCTOBER	74	78	2,480	3,750	6,225	8,779
NOVEMBER	73	84	2,015	3,033	5,586	7,674
DECEMBER	71	81	2,419	3,694	6,341	8,831
<b>Totals</b>	<b>822</b>	<b>922</b>	<b>27,376</b>	<b>42,298</b>	<b>66,425</b>	<b>94,623</b>



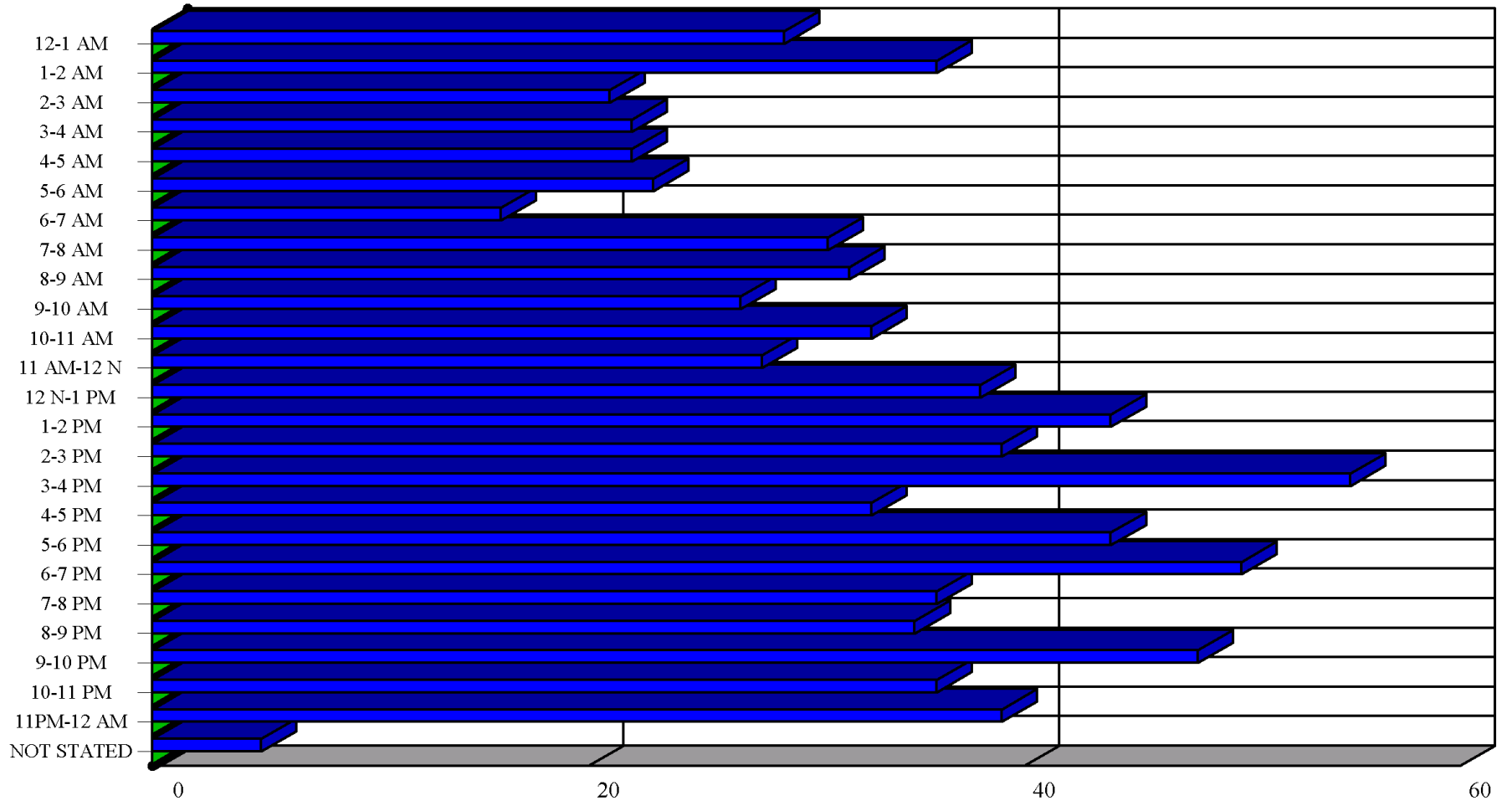
# Missouri Department of Transportation Transportation Planning

Date: 7/2/2003

## Fatal Accidents by Time of Day

822 Fatal Accidents

12-1 AM	1-2 AM	2-3 AM	3-4 AM	4-5 AM	5-6 AM	6-7 AM	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11 AM-12 N	12 N-1 PM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM	7-8 PM	8-9 PM	9-10 PM	10-11 PM	11PM-12 AM	NOT STATED
29	36	21	22	22	23	16	31	32	27	33	28	38	44	39	55	33	44	50	36	35	48	36	39	5





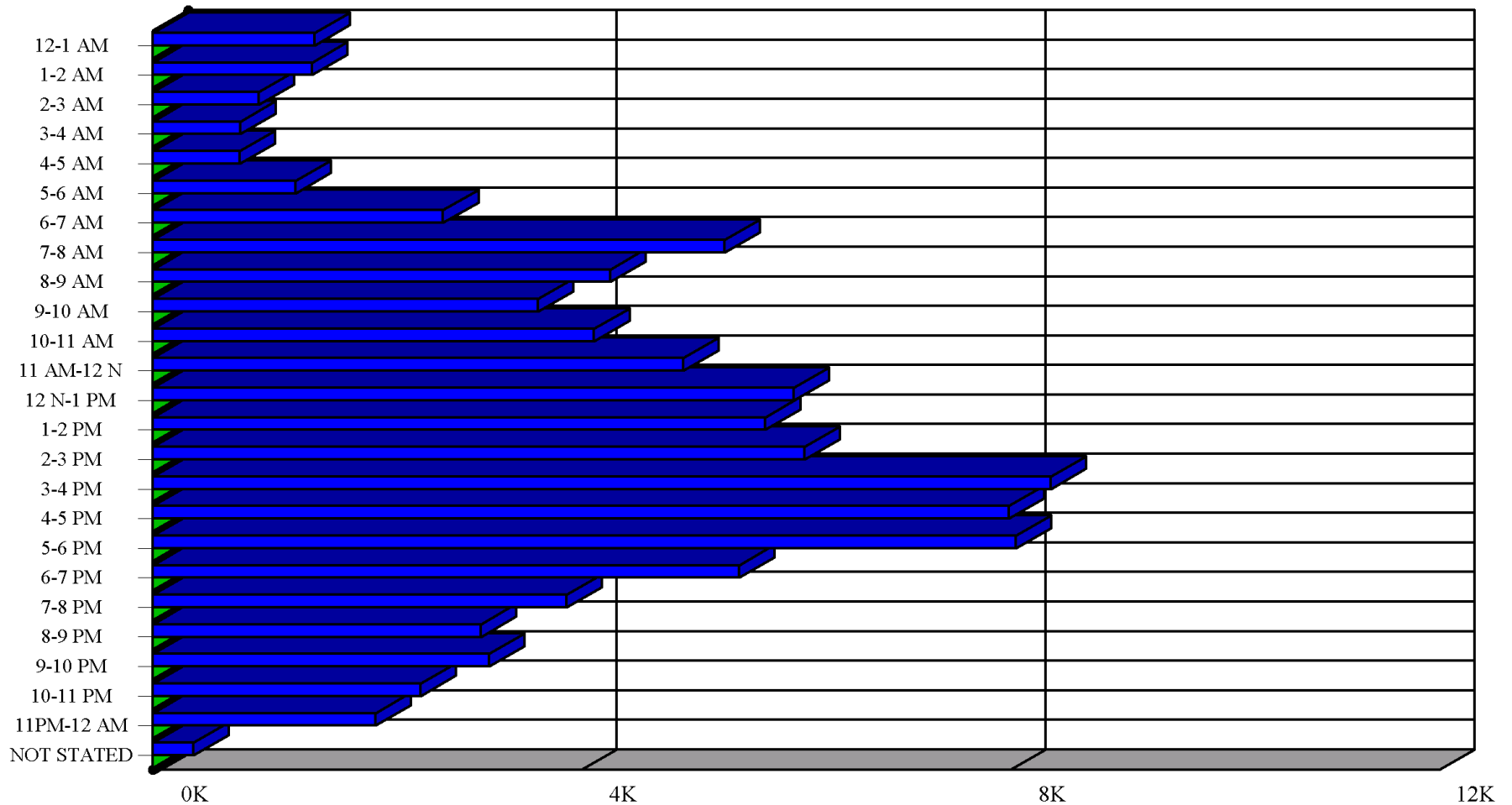
# Missouri Department of Transportation Transportation Planning

Date: 7/2/2003

## Total Accidents by Time of Day

**94623 Total Accidents**

12-1 AM	1-2 AM	2-3 AM	3-4 AM	4-5 AM	5-6 AM	6-7 AM	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11 AM-12 N	12 N-1 PM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM	7-8 PM	8-9 PM	9-10 PM	10-11 PM	11PM-12 AM	NOT STATED
1509	1487	992	817	812	1331	2710	5338	4270	3597	4119	4953	5982	5716	6082	8379	7988	8053	5471	3859	3061	3139	2497	2079	382







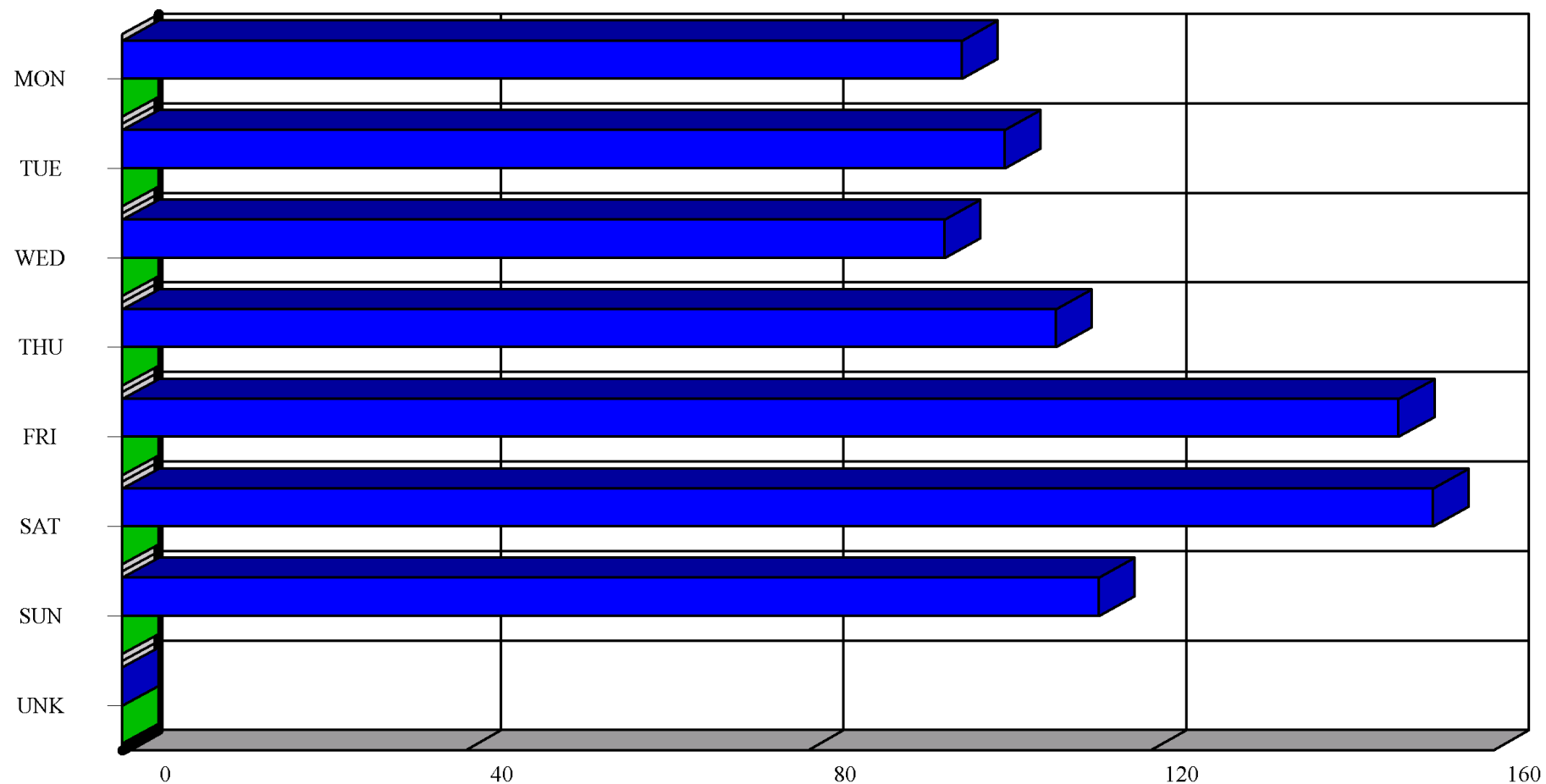
Missouri Department of Transportation  
Transportation Planning

Date: 7/2/2003

Fatal Accidents by Day of Week

822 Fatal Accidents

MON	TUE	WED	THU	FRI	SAT	SUN	UNK
98	103	96	109	149	153	114	0





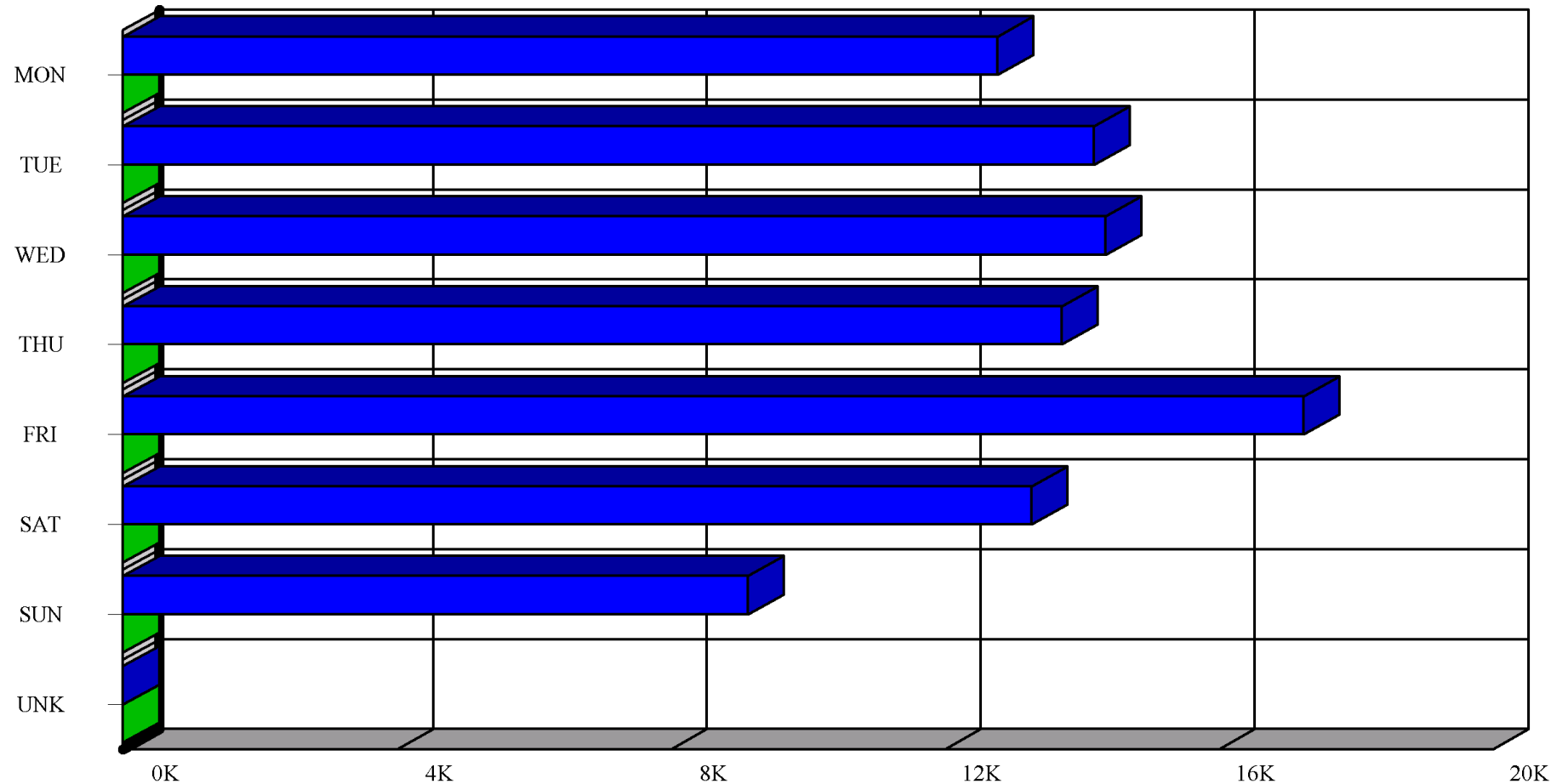
Missouri Department of Transportation  
Transportation Planning

Date: 7/2/2003

Total Accidents by Day of Week

94623 Total Accidents

MON	TUE	WED	THU	FRI	SAT	SUN	UNK
12770	14175	14348	13707	17234	13262	9127	0



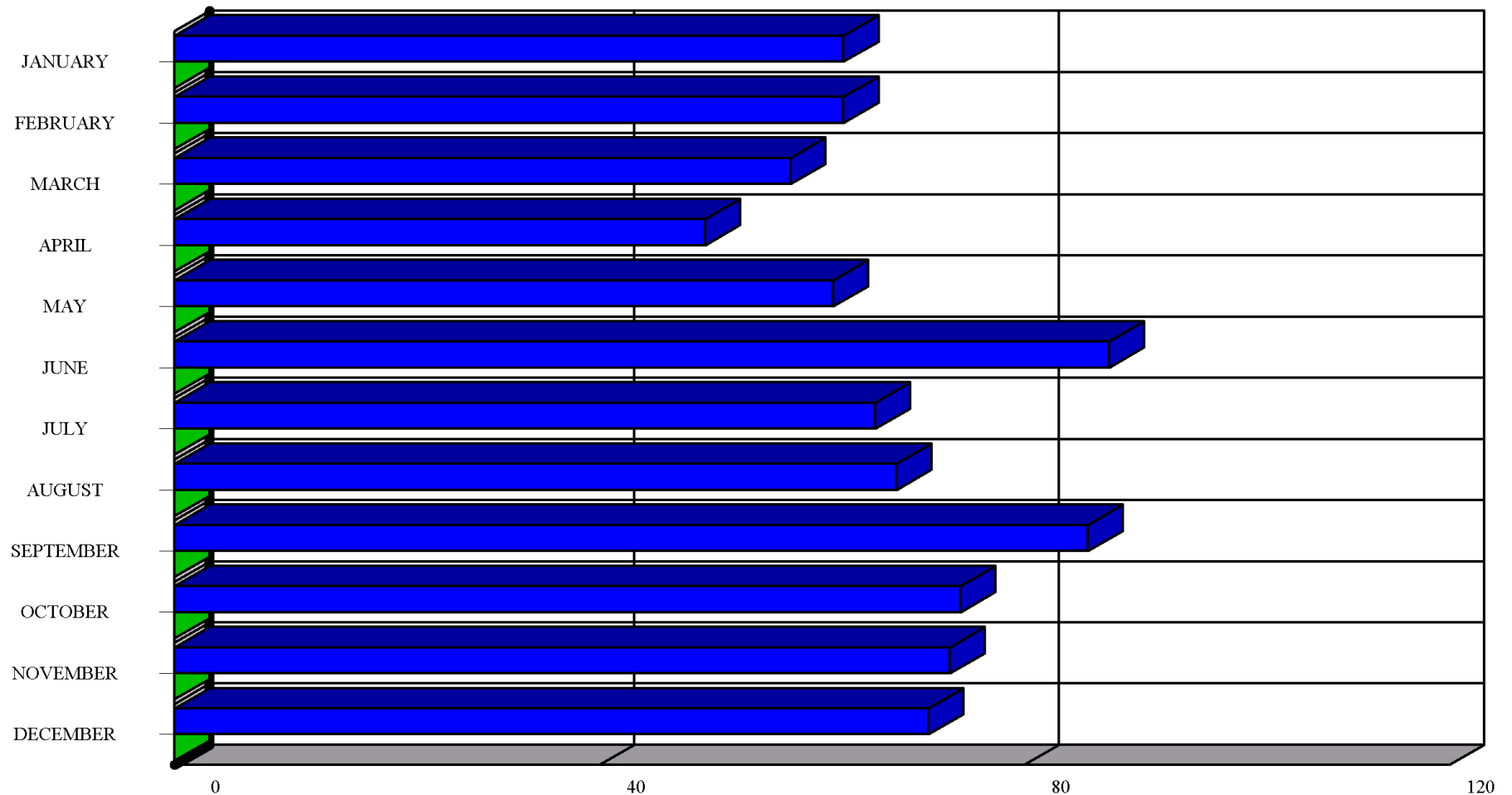


Missouri Department of Transportation  
Transportation Planning  
Fatal Accidents by Month

Date: 7/2/2003

822 Fatal Accidents

JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
63	63	58	50	62	88	66	68	86	74	73	71



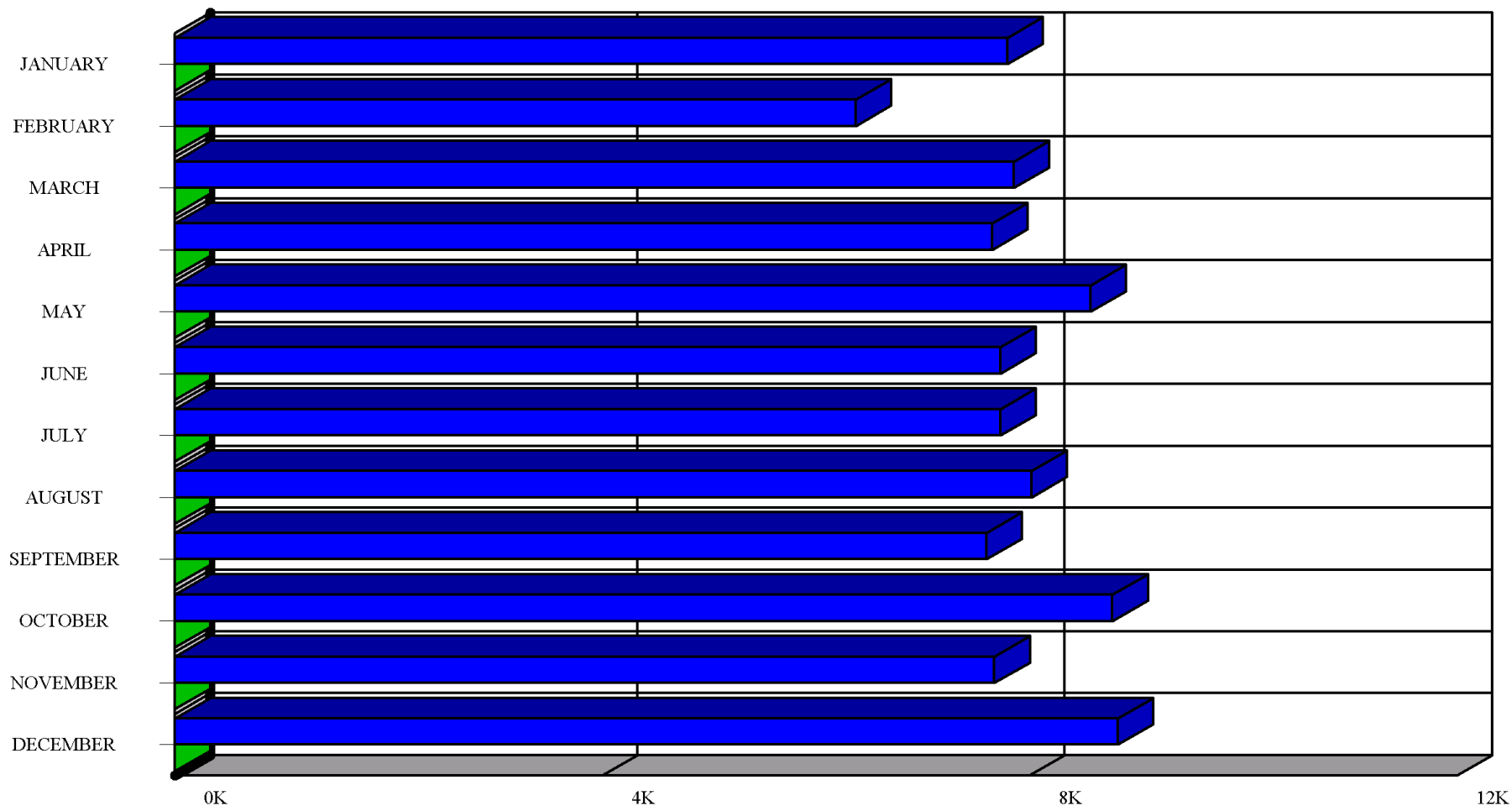


**Missouri Department of Transportation  
Transportation Planning  
Total Accidents by Month**

Date: 7/2/2003

**94623 Total Accidents**

JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
7796	6377	7855	7654	8573	7729	7733	8024	7598	8779	7674	8831	



### **Chapter 1-H : ACCIDENTS BY WEATHER CONDITION**

The examination of weather conditions reveals that, in 2002, a majority of both fatal and total accidents occurred under ideal weather conditions.



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Weather Condition**

Date: 7/2/2003

Weather Condition	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
CLEAR	488	544	16,609	25,838	38,150	55,247
CLOUDY	213	240	7,015	10,785	15,553	22,781
FOG/MIST	12	16	263	377	507	782
FREEZING	7	8	202	303	363	572
NOT STATED	2	2	117	171	3,915	4,034
RAIN	65	73	2,204	3,353	5,450	7,719
SLEET	4	4	101	139	259	364
SNOW	31	35	865	1,332	2,228	3,124
<b>Totals</b>	<b>822</b>	<b>922</b>	<b>27,376</b>	<b>42,298</b>	<b>66,425</b>	<b>94,623</b>



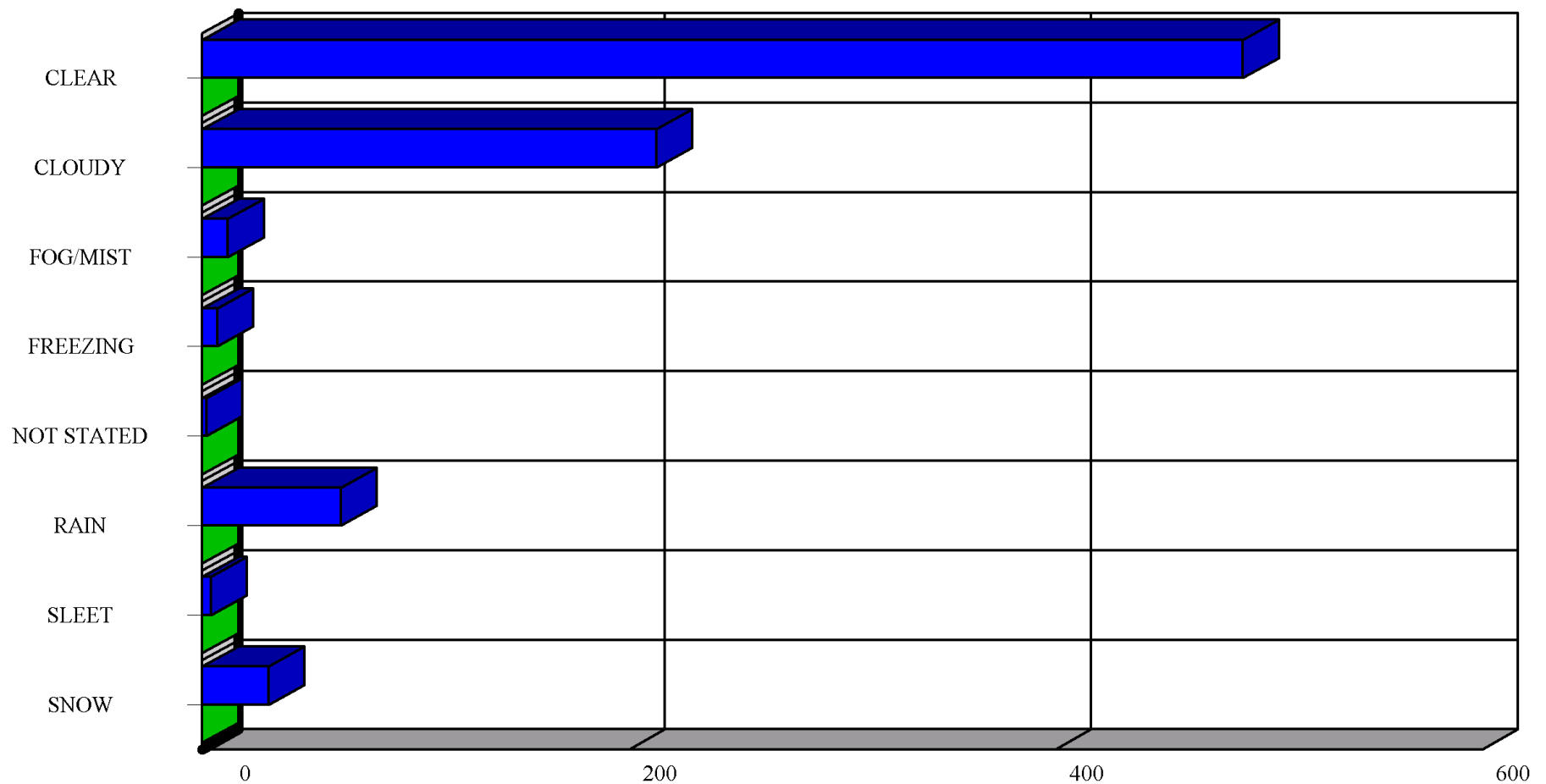
Missouri Department of Transportation  
Transportation Planning

Date: 7/2/2003

Fatal Accidents by Weather Condition

822 Fatal Accidents

CLEAR	CLOUDY	FOG/MIST	FREEZING	NOT STATED	RAIN	SLEET	SNOW
488	213	12	7	2	65	4	31





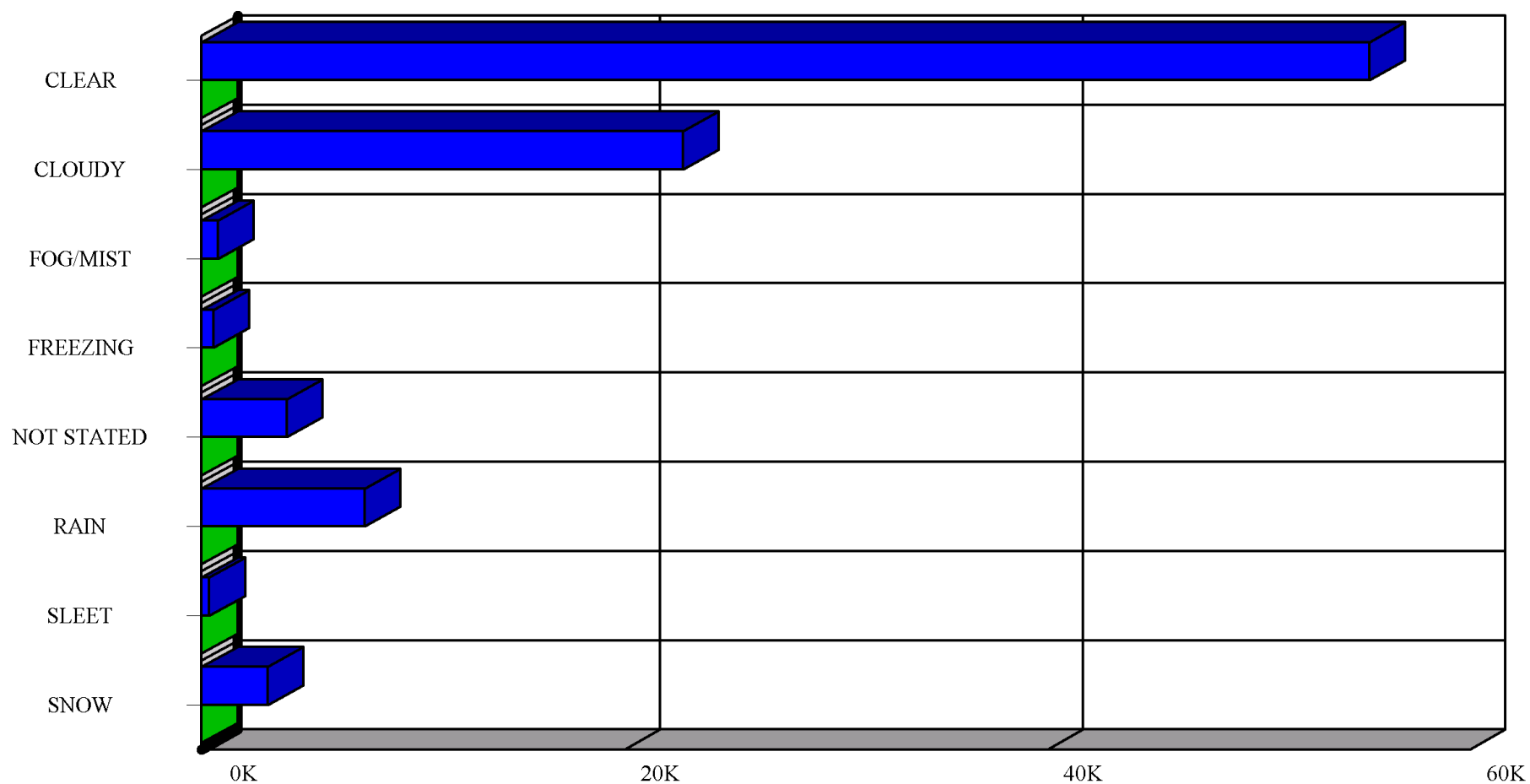
Missouri Department of Transportation  
Transportation Planning

Date: 7/2/2003

Total Accidents by Weather Condition

94623 Total Accidents

CLEAR	CLOUDY	FOG/MIST	FREEZING	NOT STATED	RAIN	SLEET	SNOW
55247	22781	782	572	4034	7719	364	3124





### **Chapter 1-I : ACCIDENTS BY VEHICLE TYPE**

In this section, the types of vehicles involved in the accidents are reviewed. The totals shown represent all vehicles as a separate accident; therefore, the vehicle totals will not agree with the accident totals.

In 2002, the ratio of passenger cars involved in fatal accidents to those involved in all accidents was 1:35.5. For motorcycles, this ratio was 1:25.2.



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Vehicle Type**

Date: 7/3/2003

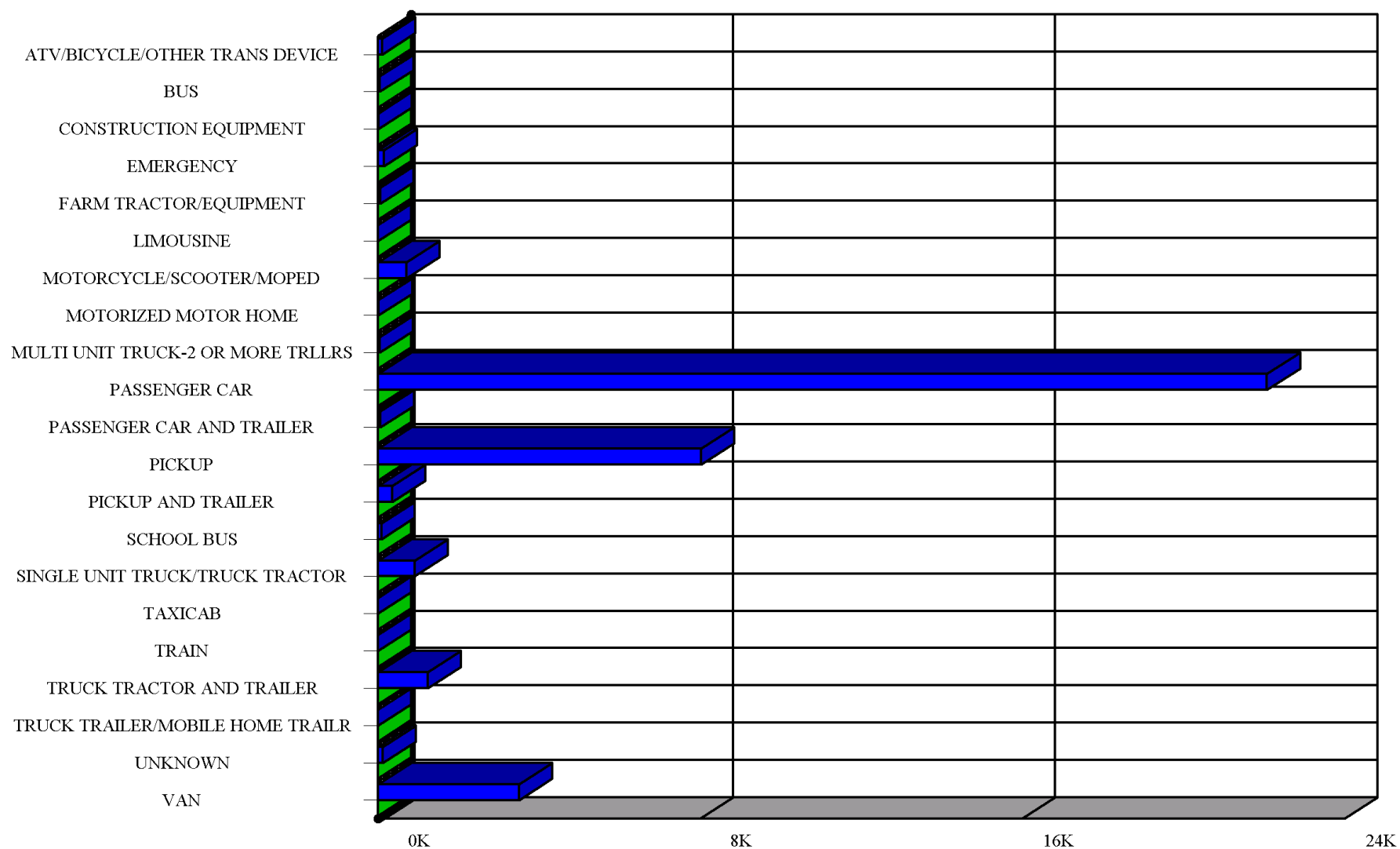
Vehicle Type	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
ATV/BICYCLE/OTHER TRANS DEVICE	11	11	114	157	417	542
BUS	1	1	55	127	127	183
CONSTRUCTION EQUIPMENT	3	3	16	19	72	91
EMERGENCY	2	3	146	271	708	856
FARM TRACTOR/EQUIPMENT	3	3	58	80	116	177
LIMOUSINE	0	0	6	10	28	34
MOTORCYCLE/SCOOTER/MOPED	37	38	717	886	180	934
MOTORIZED MOTOR HOME	5	7	27	66	136	168
MULTI UNIT TRUCK-2 OR MORE TRLLRS	8	13	48	96	165	221
PASSENGER CAR	564	649	22,083	34,821	53,792	76,439
PASSENGER CAR AND TRAILER	2	2	71	132	195	268
PICKUP	264	304	8,024	12,673	19,971	28,259
PICKUP AND TRAILER	27	39	360	622	1,171	1,558
SCHOOL BUS	1	1	96	281	260	357
SINGLE UNIT TRUCK/TRUCK TRACTOR	59	66	921	1,403	2,779	3,759
TAXICAB	0	0	0	0	0	0
TRAIN	2	4	4	5	4	10
TRUCK TRACTOR AND TRAILER	80	93	1,236	1,861	4,138	5,454
TRUCK TRAILER/MOBILE HOME TRAILR	0	0	0	0	0	0
UNKNOWN	3	4	118	164	774	895
VAN	80	92	3,503	6,103	8,366	11,949
<b>Totals</b>	<b>1,152</b>	<b>1,333</b>	<b>37,603</b>	<b>59,777</b>	<b>93,399</b>	<b>132,154</b>



# Missouri Department of Transportation Transportation Planning Injury Accidents by Vehicle Type

Date: 7/8/2003

37603 Vehicles in INJURY Accidents

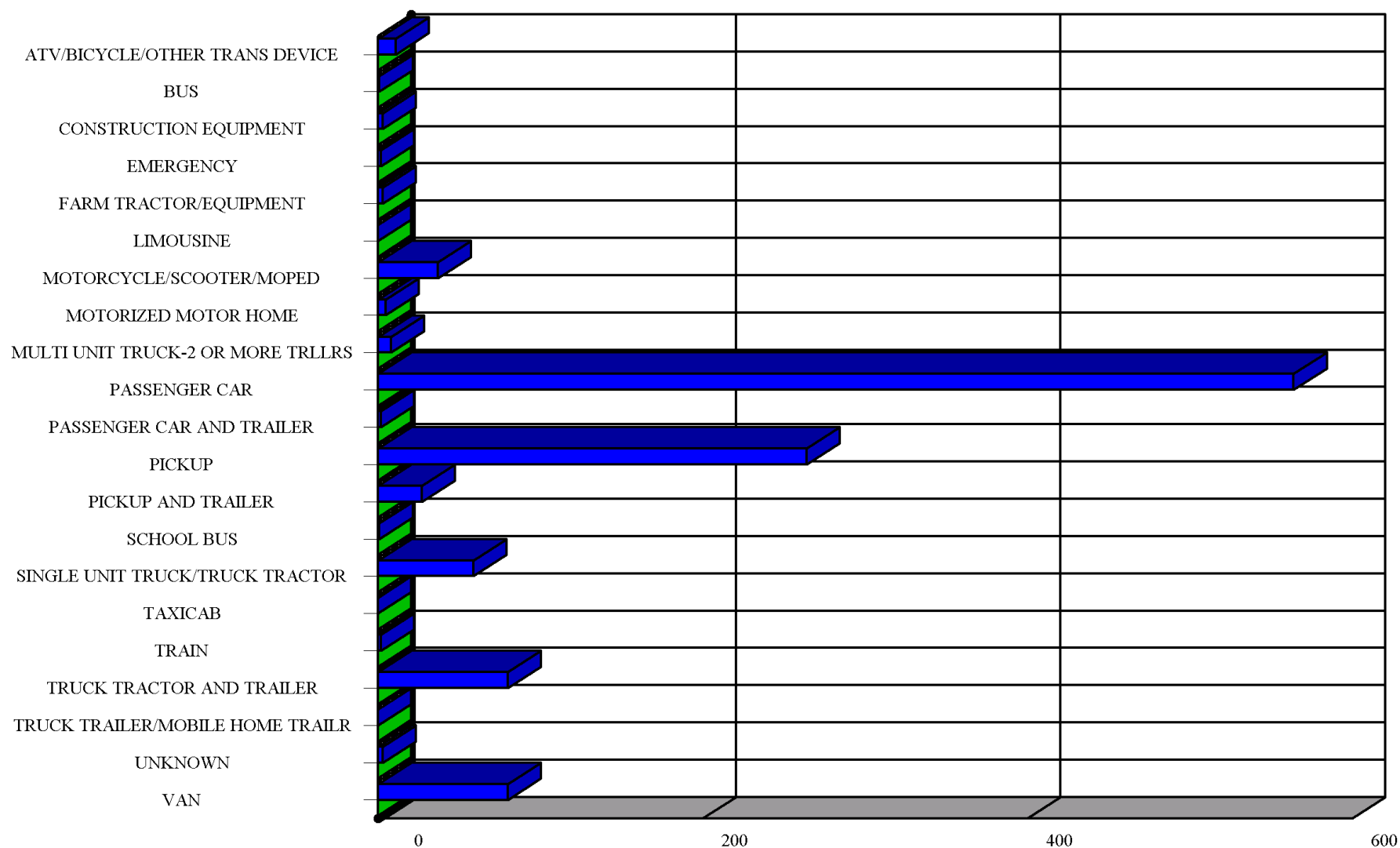




Missouri Department of Transportation  
Transportation Planning  
Fatal Accidents by Vehicle Type

Date: 7/3/2003

1152 Vehicles in FATAL Accidents

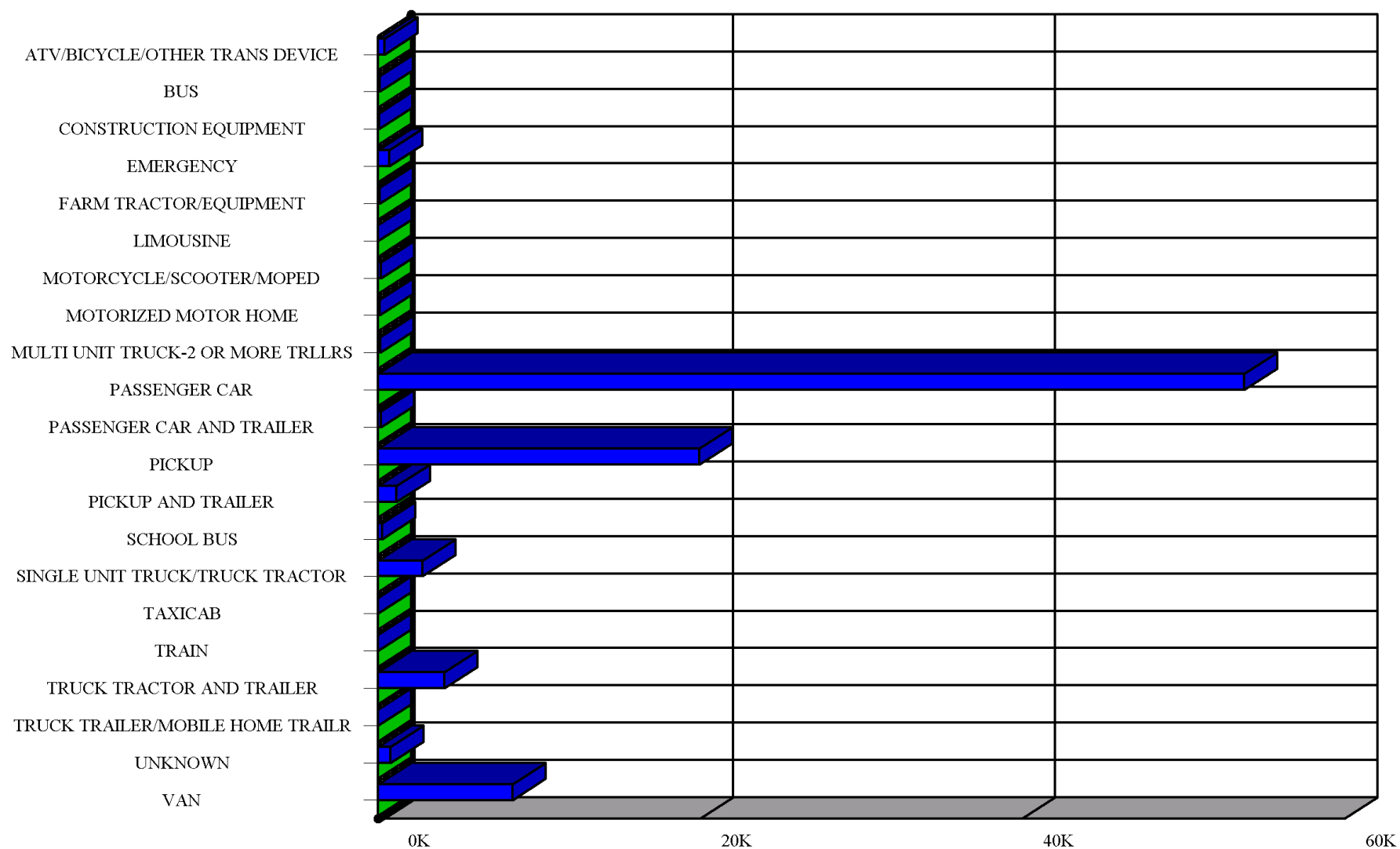




Missouri Department of Transportation  
Transportation Planning  
PDO Accidents by Vehicle Type

Date: 7/3/2003

93399 Vehicles in PDO Accidents

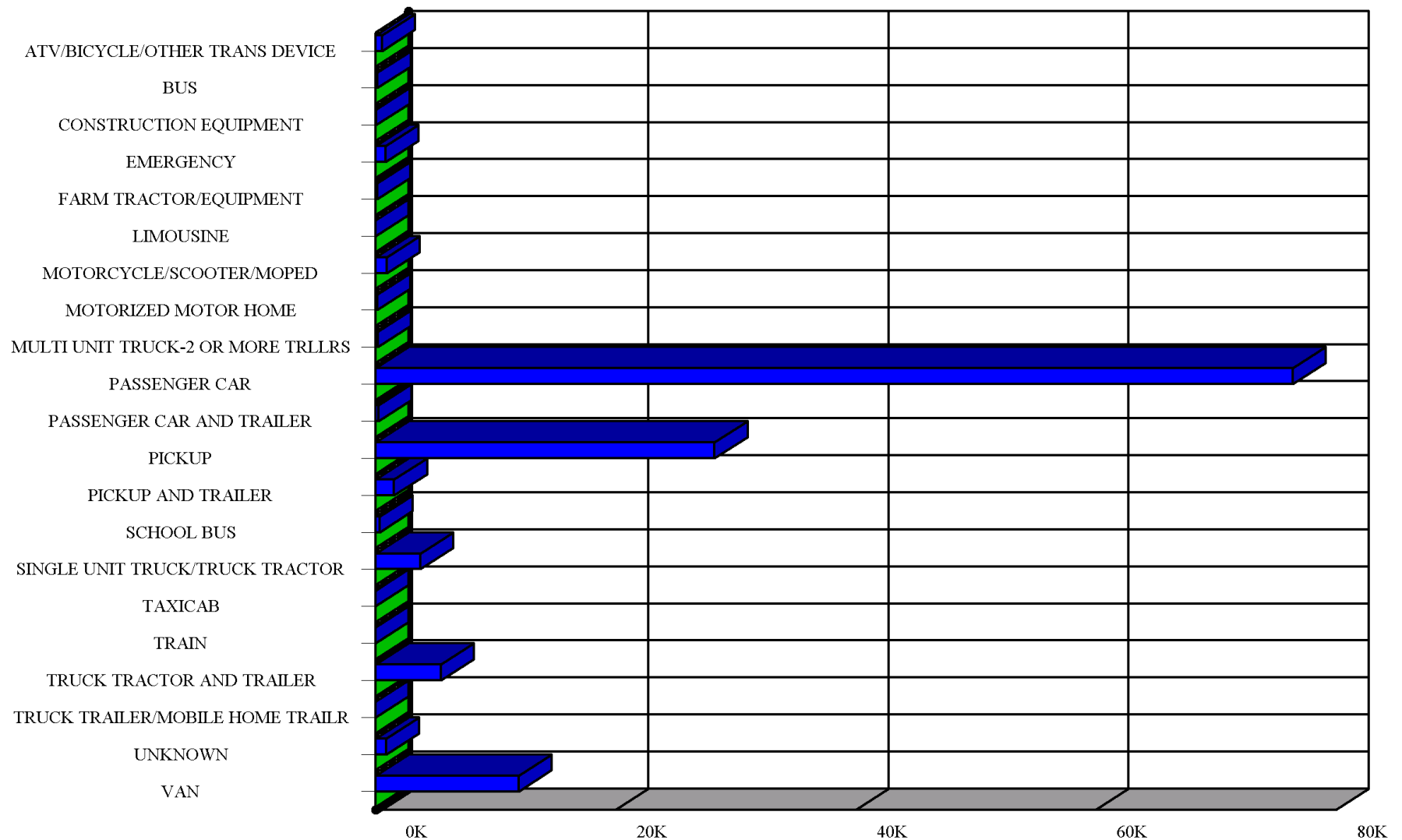




Missouri Department of Transportation  
Transportation Planning  
Total Accidents by Vehicle Type

Date: 7/3/2003

132154 Vehicles in Accidents



### **Chapter 1-J : ACCIDENTS BY LIGHT CONDITION**

This section reviews the total reported accidents to determine whether they occurred during dark hours or daylight hours.

During 2002, 71.7% of the total accidents and 54.1% of the fatal accidents occurred during daylight hours.



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Light Condition**

Date: 7/3/2003

Light Condition	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
DARK - NO STREET LIGHTS	311	338	4,601	6,849	9,552	14,464
DARK W/ STREET LIGHTS OFF	6	7	121	169	321	448
DARK W/ STREET LIGHTS ON	54	56	2,973	4,674	7,363	10,390
DAYLIGHT	445	515	19,345	30,137	48,063	67,853
NOT STATED/UNKNOWN	6	6	336	469	1,126	1,468
<b>Totals</b>	<b>822</b>	<b>922</b>	<b>27,376</b>	<b>42,298</b>	<b>66,425</b>	<b>94,623</b>



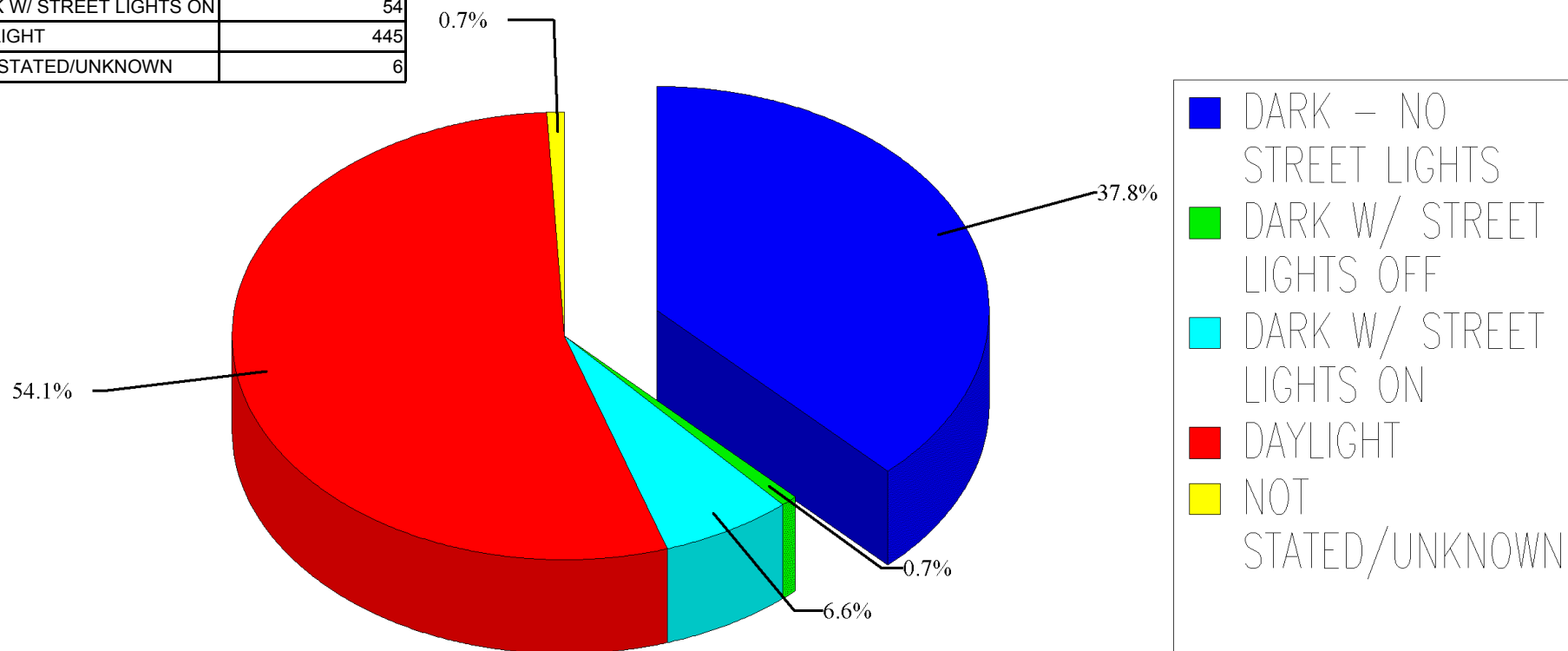


Missouri Department of Transportation  
Transportation Planning

Date: 7/3/2003

2002 Fatal Accidents by Light Condition  
822 Fatal Accidents

Light Condition	Total Fatal Accidents
DARK - NO STREET LIGHTS	311
DARK W/ STREET LIGHTS OFF	6
DARK W/ STREET LIGHTS ON	54
DAYLIGHT	445
NOT STATED/UNKNOWN	6



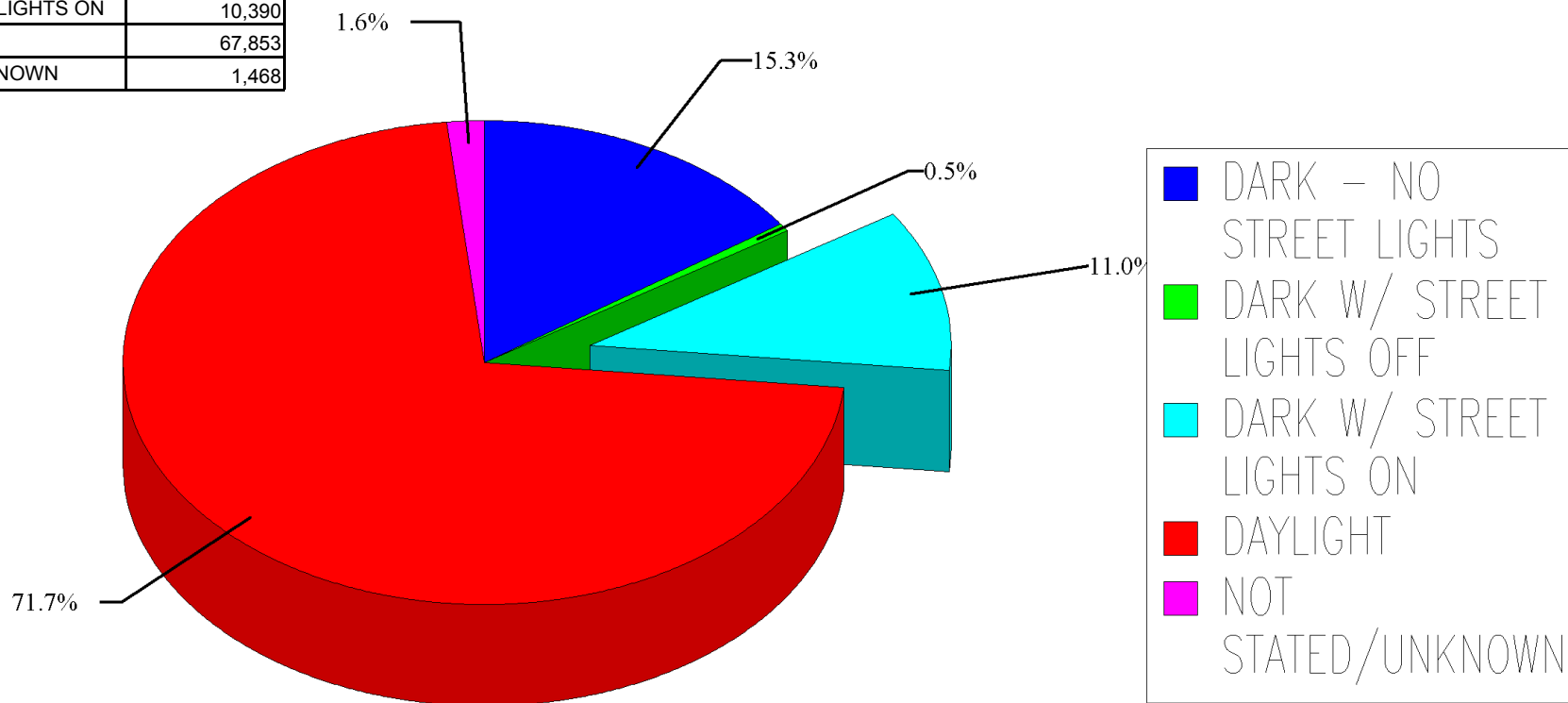


Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Light Condition

Date: 7/3/2003

94,623 Total Accidents

Light Condition	Total Accidents
DARK - NO STREET LIGHTS	14,464
DARK W/ STREET LIGHTS OFF	448
DARK W/ STREET LIGHTS ON	10,390
DAYLIGHT	67,853
NOT STATED/UNKNOWN	1,468



### **Chapter 1-K : ACCIDENTS BY FIXED OBJECT STRUCK**

This section examines all accidents involving vehicle contact with a fixed object. In 2002, embankments, trees, and fences were struck most frequently as they were involved in 52.6% of the fatal fixed object accidents and 39.8% of all fixed object accidents.



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Fixed Object Struck**

Date: 7/3/2003

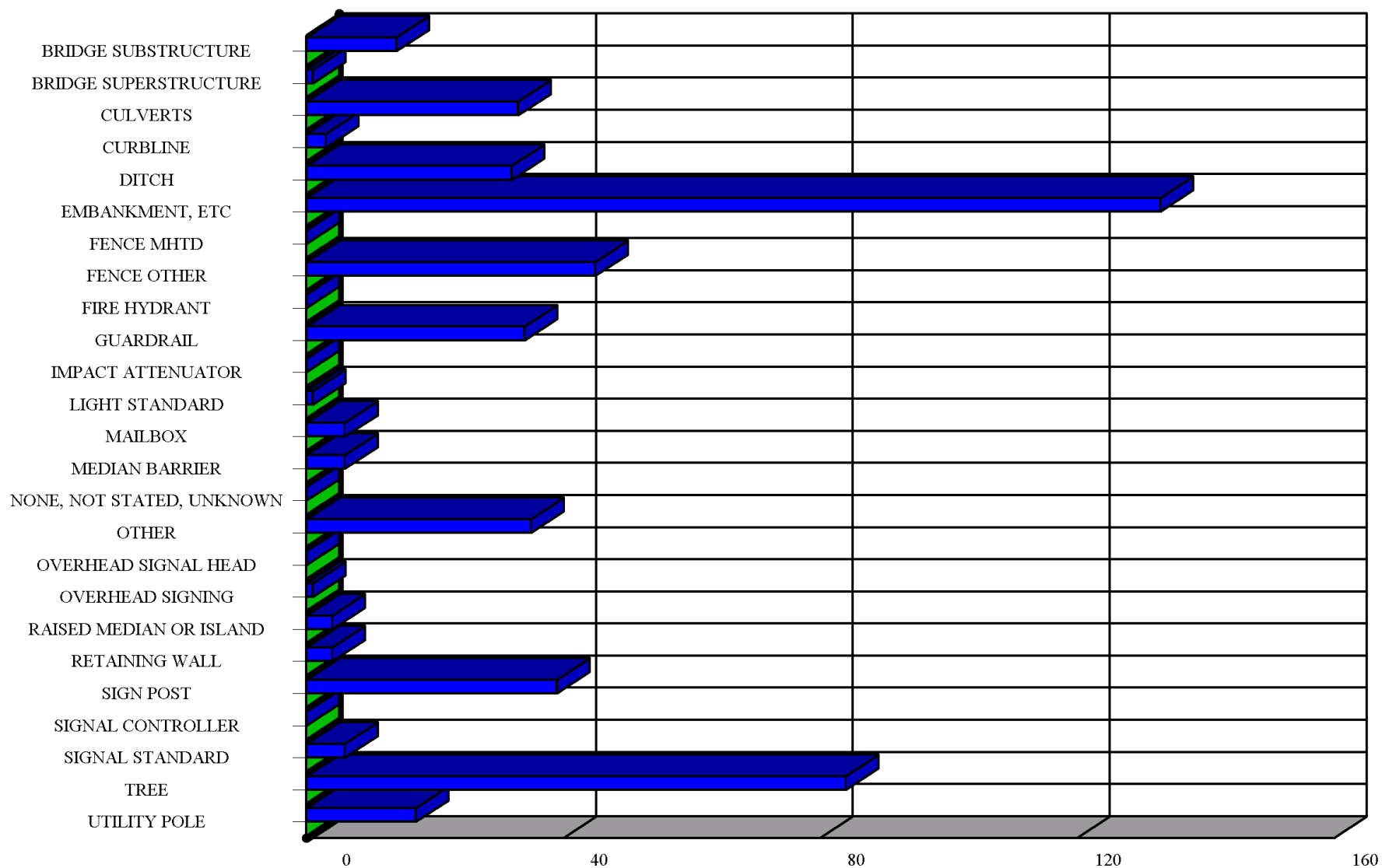
Fixed Object Struck	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
BRIDGE SUBSTRUCTURE	14	15	103	147	103	220
BRIDGE SUPERSTRUCTURE	1	1	39	53	35	75
CULVERTS	33	33	369	492	371	773
CURBLINE	3	7	147	188	376	526
DITCH	32	33	1,044	1,363	1,426	2,502
EMBANKMENT, ETC	133	139	2,300	3,097	2,103	4,536
FENCE MHTD	0	0	0	0	0	0
FENCE OTHER	45	47	774	976	1,288	2,107
FIRE HYDRANT	0	0	5	5	42	47
GUARDRAIL	34	37	711	945	1,326	2,071
IMPACT ATTENUATOR	0	0	19	28	44	63
LIGHT STANDARD	1	1	63	73	120	184
MAILBOX	6	6	171	227	318	495
MEDIAN BARRIER	6	6	414	550	751	1,171
NONE, NOT STATED, UNKNOWN	0	0	0	0	0	0
OTHER	35	40	403	551	793	1,231
OVERHEAD SIGNAL HEAD	0	0	0	0	0	0
OVERHEAD SIGNING	1	1	8	12	17	26
RAISED MEDIAN OR ISLAND	4	5	295	397	498	797
RETAINING WALL	4	4	67	84	105	176
SIGN POST	39	40	623	797	1,345	2,007
SIGNAL CONTROLLER	0	0	0	0	0	0
SIGNAL STANDARD	6	10	60	72	119	185
TREE	84	90	1,139	1,530	992	2,215
UTILITY POLE	17	18	381	486	459	857
<b>Totals</b>	<b>498</b>	<b>533</b>	<b>9,135</b>	<b>12,073</b>	<b>12,631</b>	<b>22,264</b>



Missouri Department of Transportation  
Transportation Planning  
Fatal Accidents by Fixed Object Struck

Date: 7/3/2003

498 Fatal Accidents

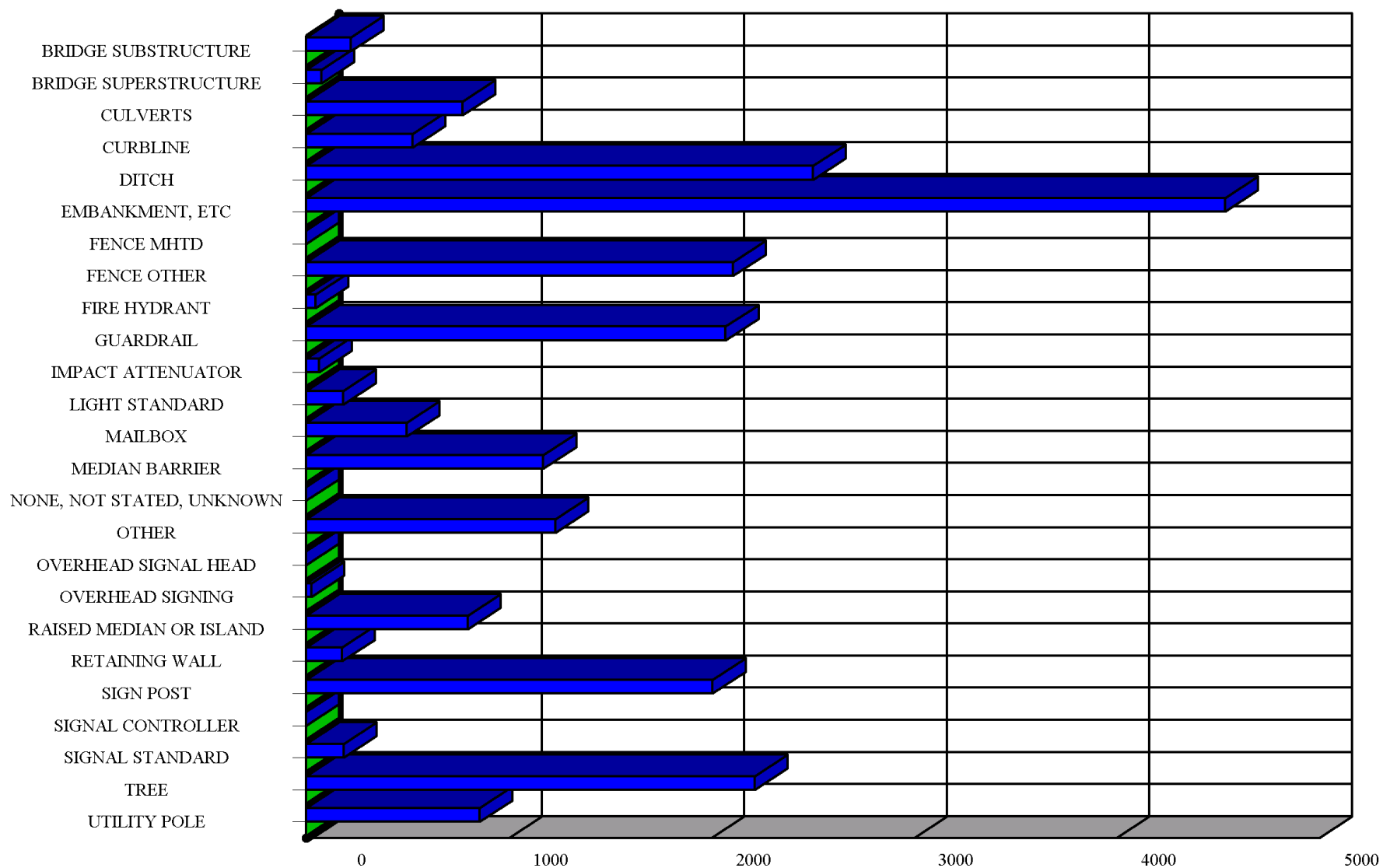




Missouri Department of Transportation  
Transportation Planning  
Total Accidents by Fixed Object Struck

Date: 7/3/2003

22264 Total Accidents



### **Chapter 1-L : ACCIDENTS BY INTERSECTION TYPE**

In 2002, 44.3% of the total accidents occurring on the Missouri Highway System were at intersections with public roads or streets. These accidents resulted in 27.6% of the total fatal accidents. Interchanges represented 15.9% of the total accidents and 8.9% of fatal accidents.



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Intersection Type**

Date: 7/3/2003

Intersection Type	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
2 WAY LEFT TURN BAY	0	0	0	0	0	0
ALLEY, COMMERCIAL OR PRIVATE ENTRANCE	0	0	89	141	211	300
CROSSOVER	0	0	0	0	0	0
EMERGENCY VEHICLE CROSSOVER	0	0	0	0	0	0
INTERCHANGE, CLOVERLEAF	12	13	383	547	1,210	1,605
INTERCHANGE, DIAMOND	32	36	1,764	2,660	5,708	7,504
INTERCHANGE, DIRECTIONAL	9	9	452	621	1,304	1,765
INTERCHANGE, FOLDED DIAMOND	1	1	56	96	203	260
INTERCHANGE, OTHER	3	3	321	473	962	1,286
INTERCHANGE, PARTIAL DIAMOND	16	18	593	870	1,862	2,471
INTERCHANGE, TRUMPET	0	0	52	72	167	219
NOT STATED OR NOT INTERSECTION	523	591	12,203	18,578	24,619	37,345
PUBLIC ROAD OR STREET	226	251	11,463	18,240	30,177	41,866
WITHIN REST AREA	0	0	0	0	2	2
WITHIN WEIGHT STATION	0	0	0	0	0	0
<b>Totals</b>	<b>822</b>	<b>922</b>	<b>27,376</b>	<b>42,298</b>	<b>66,425</b>	<b>94,623</b>

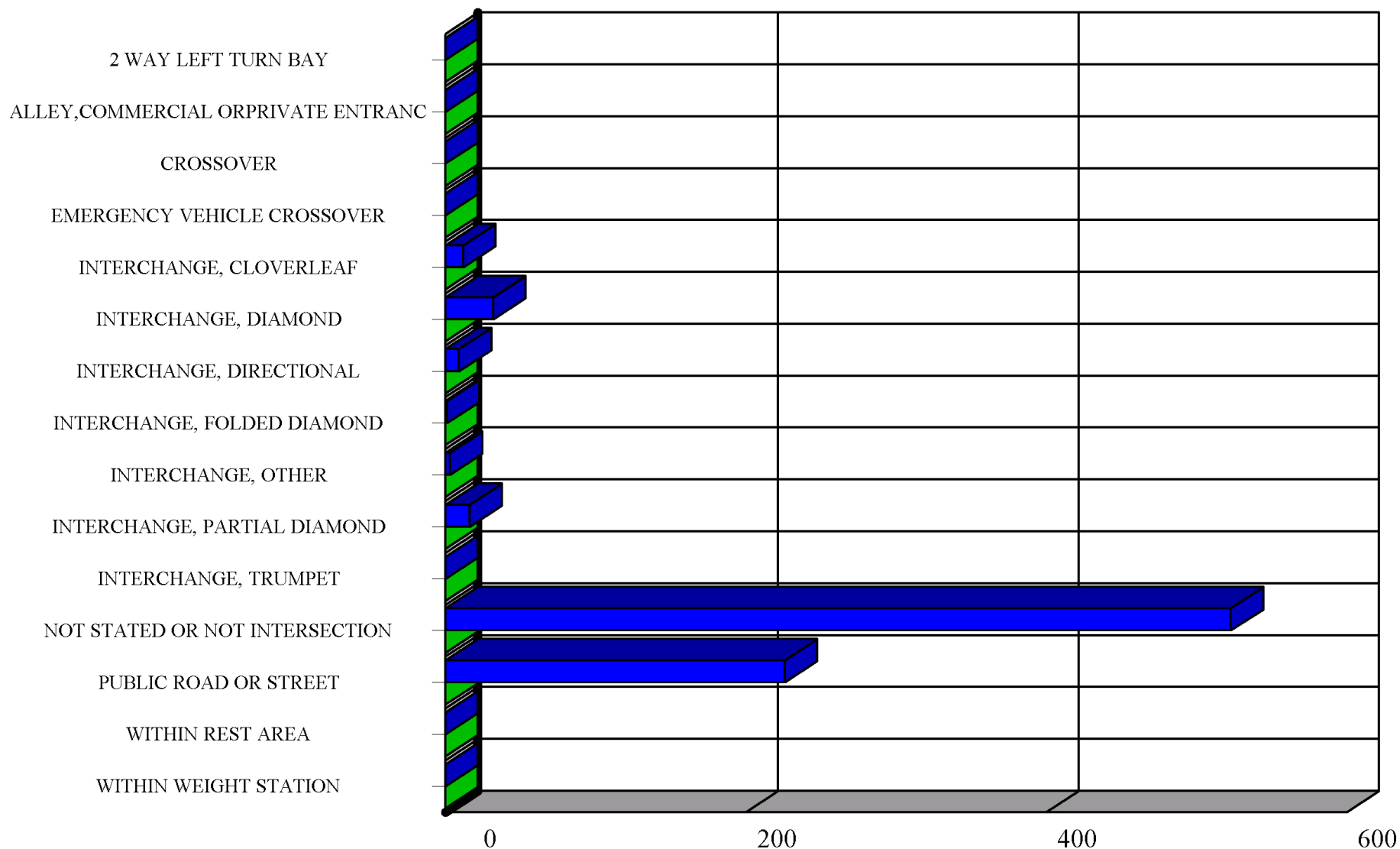




Missouri Department of Transportation  
Transportation Planning  
Fatal Accidents by Intersection Type

Date: 7/3/2003

822 Fatal Accidents

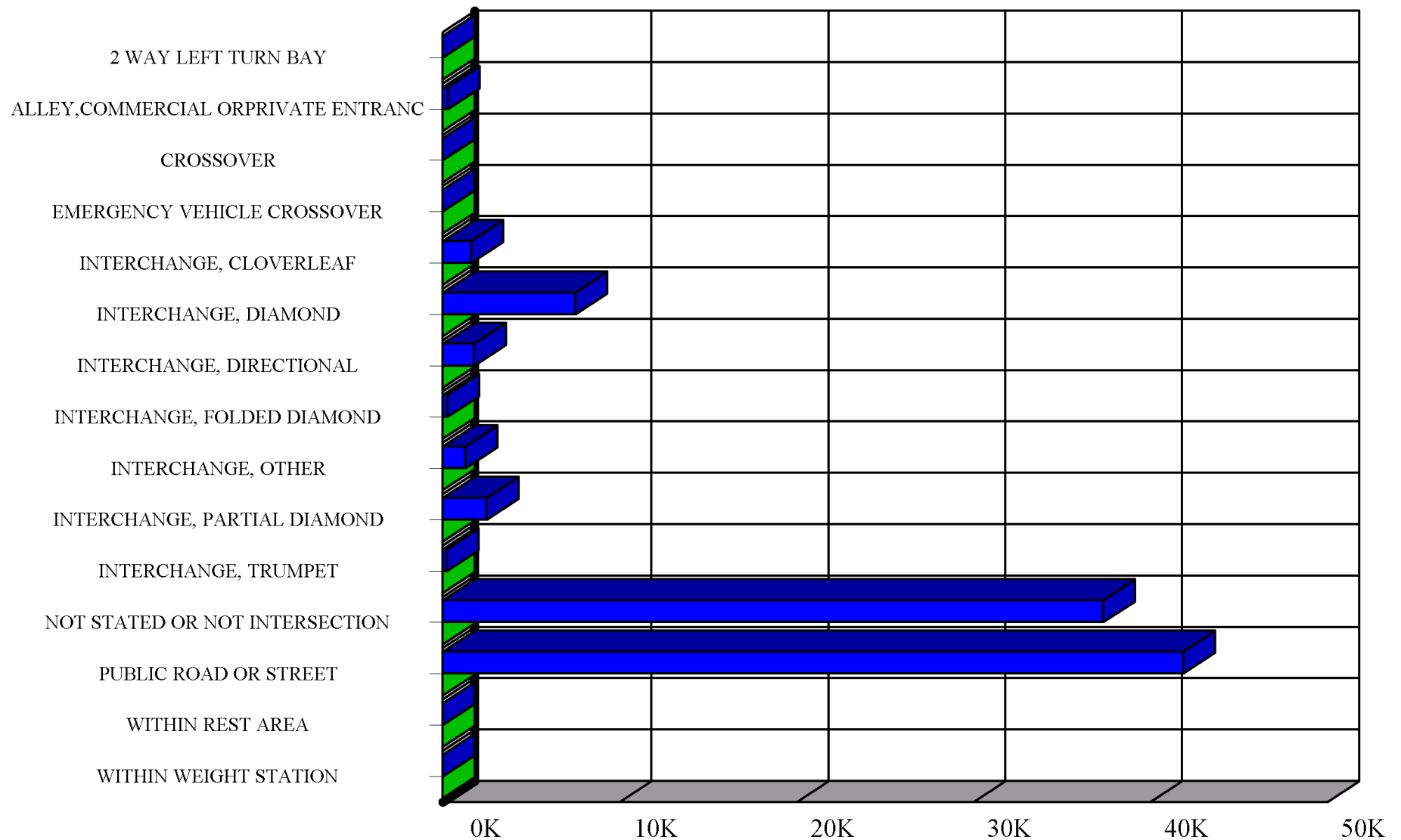




Missouri Department of Transportation  
Transportation Planning  
Total Accidents by Intersection Type

Date: 7/3/2003

94623 Total Accidents



### **Chapter 1-M : ACCIDENTS INVOLVING PEDESTRIANS**

Pedestrian fatalities and pedestrian injuries increased 10.7% in 2002 compared to 2001.

80.0% of pedestrian fatalities and 44.1% of pedestrian injuries occurred during the hours of darkness in 2002.

The age span of 15-24 years accounted for 22.6% of the pedestrian injuries during 2002.

The age span of 15-24 years accounted for 12% of the pedestrian fatalities during 2002, while the age span of 35-44 years accounted for 30% of the pedestrian fatalities during 2002.



# Missouri Department of Transportation Transportation Planning

Date: 7/3/2003

## 2002 Accidents by Pedestrian Maneuver by Age

Pedestrian Maneuver	0-4 Fatal	0-4 Injury	5-9 Fatal	5-9 Injury	10-14 Fatal	10-14 Injury	15-24 Fatal	15-24 Injury	25-34 Fatal	25-34 Injury	35-44 Fatal	35-44 Injury	45-54 Fatal	45-54 Injury	55-64 Fatal	55-64 Injury	65-74 Fatal	65-74 Injury	75 & Up Fatal	75 & Up Injury	Not Stated Fatal	Not Stated Injury	Totals
BEHIND PARKED CAR	0	0	0	2	0	3	1	6	1	8	1	4	1	4	0	1	0	0	0	0	0	0	32
CROSSWALK MARKED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GETTING ON/OFF VEHICLE	0	0	0	0	0	0	1	1	0	0	0	2	0	2	0	1	0	0	0	0	0	0	7
NOT STATED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOT STATED/UNKNWN/NO PEDS	0	1	0	3	0	3	0	11	0	4	1	5	1	3	1	0	0	0	0	3	0	0	36
OFF ROADWAY	0	2	0	1	0	2	0	4	0	1	1	8	0	5	0	1	0	1	0	3	0	0	29
OTHER IN ROAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER WORKING	0	0	0	0	0	0	0	1	0	4	2	4	0	2	0	0	0	0	0	0	0	0	13
PLAYING IN ROAD	0	1	0	2	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
PUSHING/WORKING ON VEHICLE	0	0	0	0	0	0	0	1	1	4	0	5	1	1	1	1	0	0	0	0	0	0	15
SIGNAL MOVEMENT	0	2	0	6	0	13	2	36	5	16	9	30	3	27	1	7	1	5	2	8	0	0	173
STANDING IN ROAD	0	0	0	0	0	2	2	5	1	12	0	6	1	1	1	3	1	1	0	1	0	0	37
WALKING AGAINST TRAFFIC	0	1	0	0	0	2	0	4	0	3	1	2	2	2	0	1	1	1	0	1	0	0	21
WALKING WITH TRAFFIC	0	0	0	0	0	0	0	4	2	1	0	6	0	2	0	2	0	0	1	0	0	0	18
WITHIN CROSSWALK	0	0	0	0	0	0	0	3	0	1	0	0	0	2	0	1	0	0	0	0	0	0	7
WITHIN MARKED CROSSWALK	0	0	0	0	0	1	0	3	0	2	0	1	0	0	0	0	0	0	0	3	0	0	10
Totals	0	7	0	14	0	28	6	80	10	56	15	73	9	51	4	18	3	8	3	19	0	0	404



# Missouri Department of Transportation Transportation Planning

Date: 7/3/2003

## 2002 Accidents by Pedestrian Maneuver by Light Condition

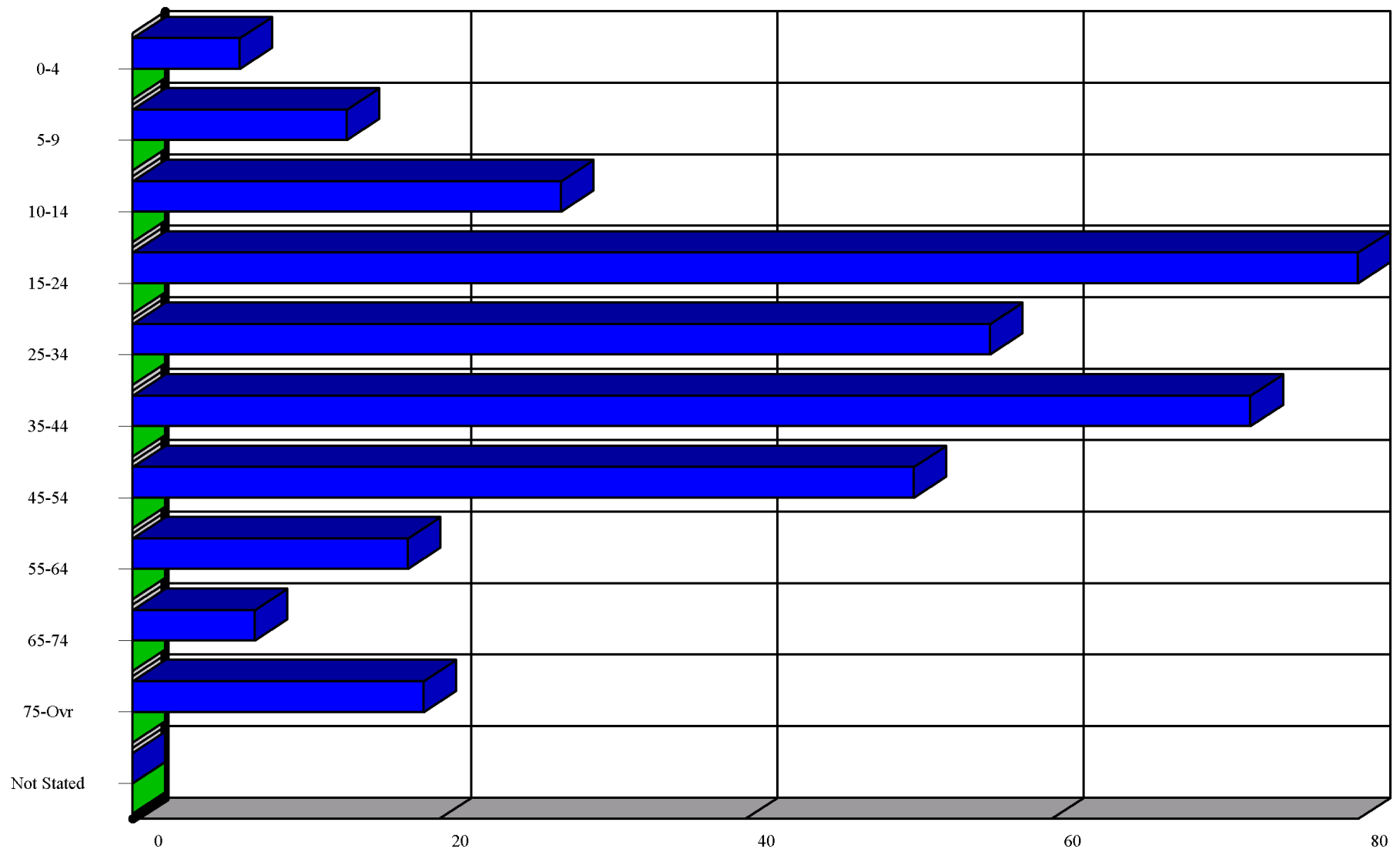
PEDESTRIAN MANEUVER	DARK		LIGHT		UNKNOWN	
	Total Fatalities	Total Injuries	Total Fatalities	Total Injuries	Total Fatalities	Total Injuries
BEHIND PARKED CAR	3	14	1	11	0	3
CROSSWALK MARKED	0	0	0	0	0	0
GETTING ON/OFF VEHICLE	1	2	0	4	0	0
NOT STATED/UNKNWN/NO PEDS	3	12	0	18	0	3
OFF ROADWAY	1	2	0	26	0	0
OTHER IN ROAD	0	0	0	0	0	0
OTHER WORKING	0	6	2	4	0	1
PLAYING IN ROAD	0	1	0	5	0	0
PUSHING/WORKING ON VEHICLE	0	7	3	5	0	0
SIGNAL MOVEMENT	22	71	1	77	0	2
STANDING IN ROAD	6	20	0	11	0	0
WALKING AGAINST TRAFFIC	1	8	3	8	0	1
WALKING WITH TRAFFIC	3	9	0	5	0	1
WITHIN CROSSWALK	0	3	0	4	0	0
WITHIN MARKED CROSSWALK	0	1	0	7	0	2
<b>TOTALS</b>	<b>40</b>	<b>156</b>	<b>10</b>	<b>185</b>	<b>0</b>	<b>13</b>



Missouri Department of Transportation  
Transportation Planning

Date: 7/3/2003

Injury Pedestrian Accidents by Age  
354 Pedestrian Injuries

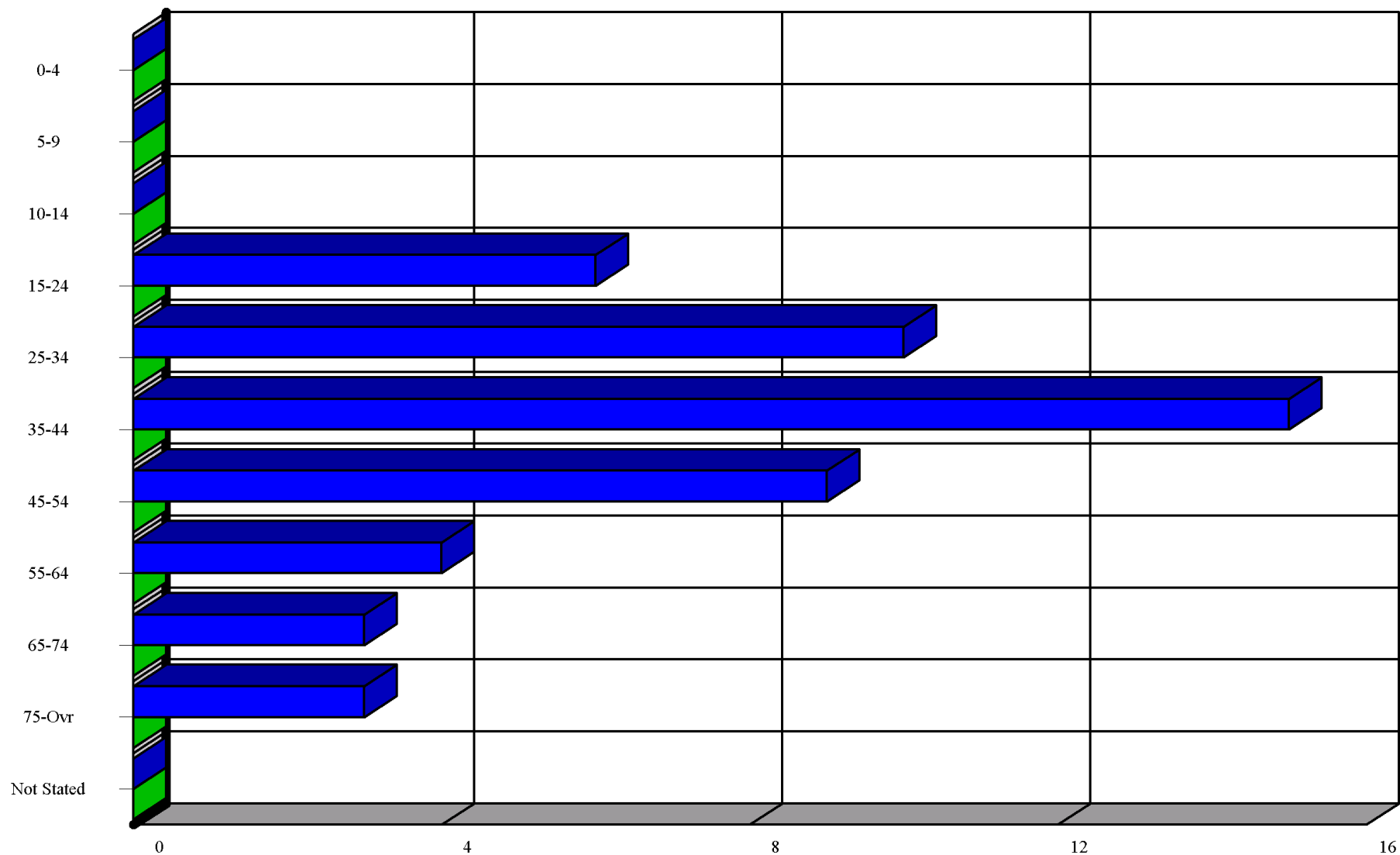




Missouri Department of Transportation  
Transportation Planning

Date: 7/3/2003

Fatal Pedestrian Accidents by Age  
50 Pedestrian Fatalities



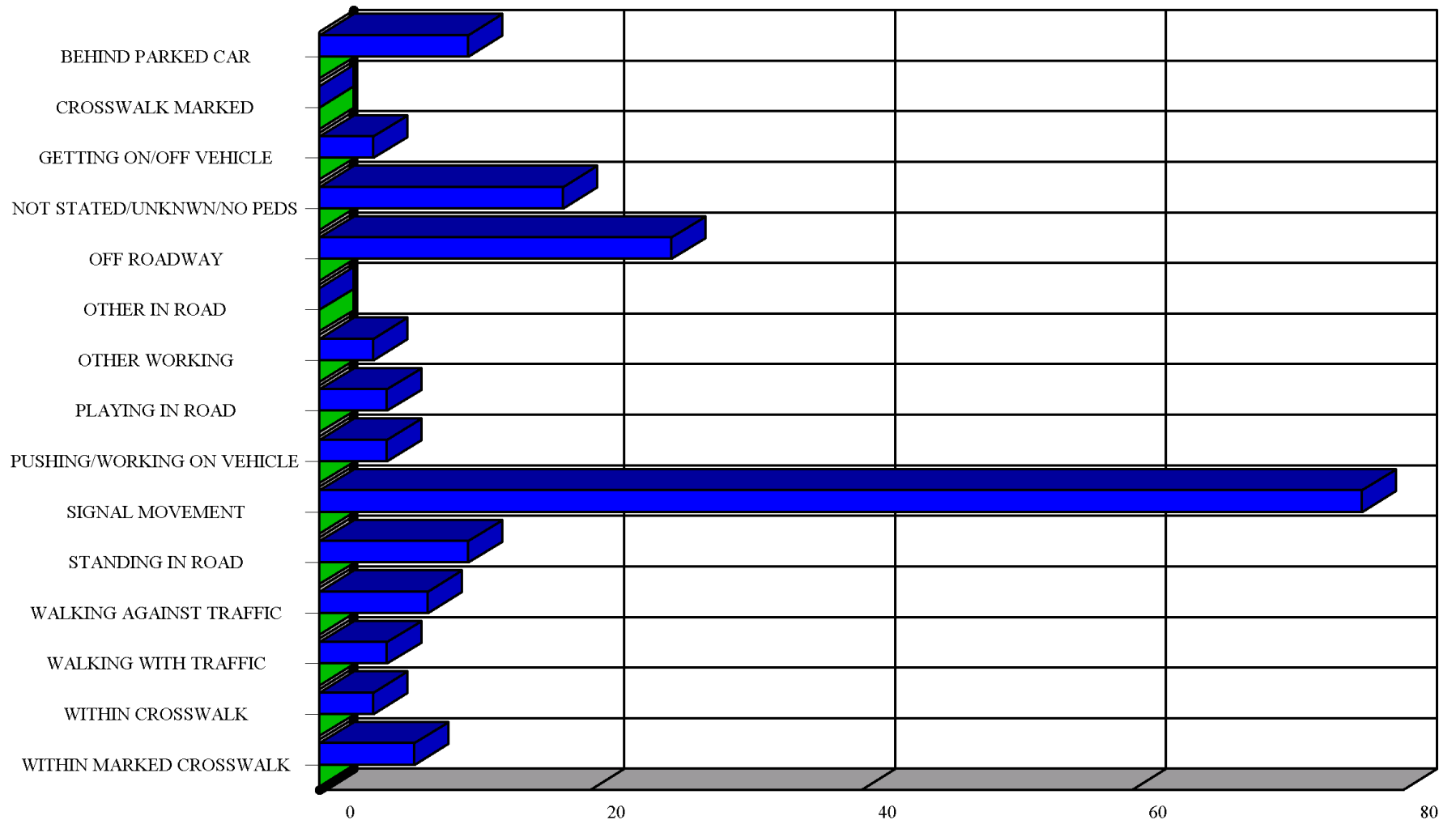


# Missouri Department of Transportation Transportation Planning

Date: 7/3/2003

## Accidents by Pedestrian Maneuver by Light Condition 185 Injuries in Day Condition

BEH PARK CAR	CROSSWALK MARK	GET ON/OFF VEH	NOT STAT/UNK/NO PEDS	OFF ROAD	OTH IN ROAD	OTH WORK	PUSH/WORK ON VEH	SIG MVMNT	STAND IN ROAD	WALK AGNST TRAF	WALK WITH TRAF
11	0	4	18	26	0	4	5	77	11	8	5





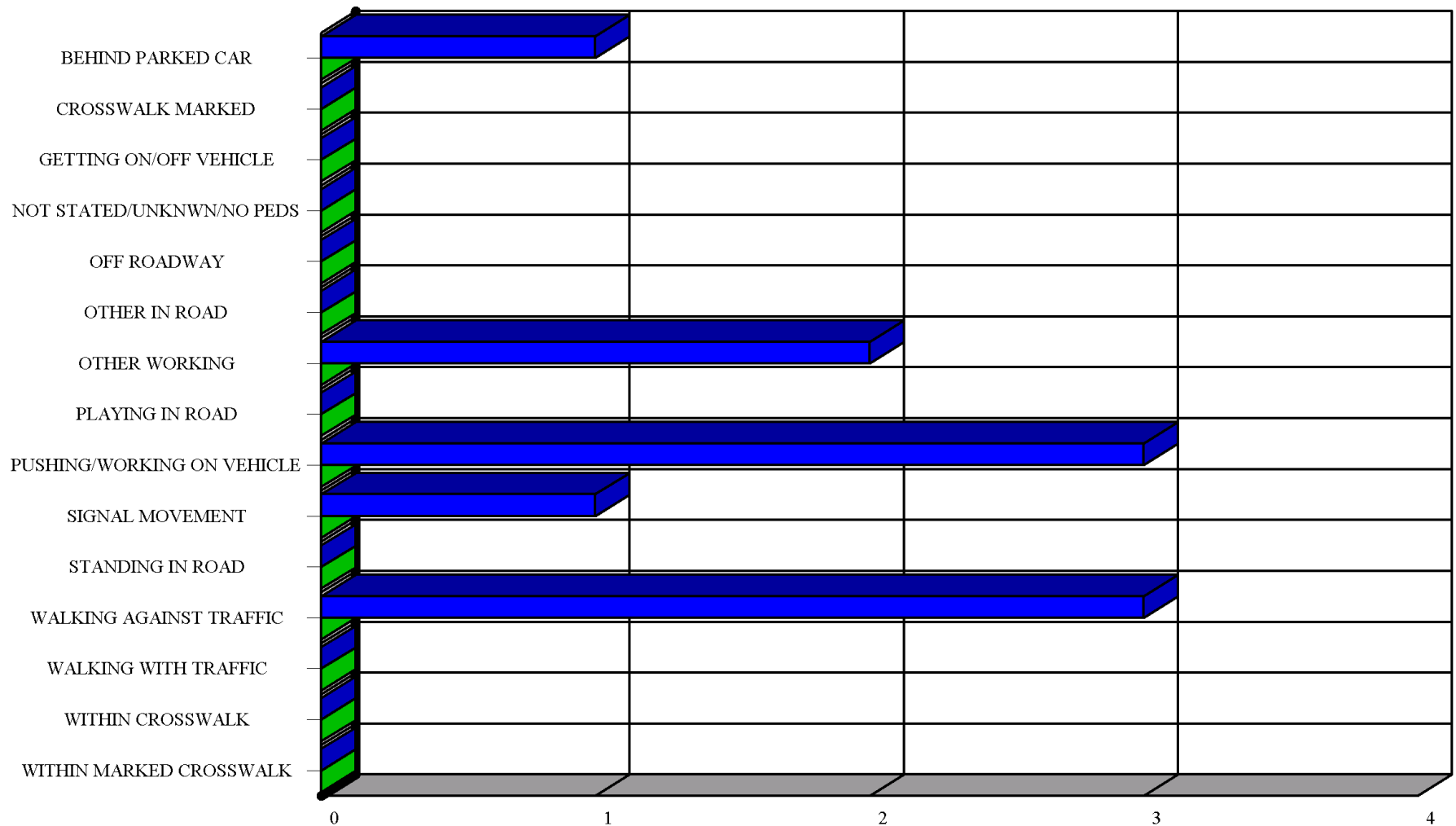


# Missouri Department of Transportation Transportation Planning

Date: 7/3/2003

## Accidents by Pedestrian Maneuver by Light Condition 10 Fatalities in Day Condition

BEH PARK CAR	CROSSWALK MARK	GET ON/OFF VEH	NOT STAT/UNK/NO PEDS	OFF ROAD	OTH IN ROAD	OTH WORK	PUSH/WORK ON VEH	SIG MVMNT	STAND IN ROAD	WALK AGNST TRAF	WALK WITH TRAF
1	0	0	0	0	0	2	3	1	0	3	0



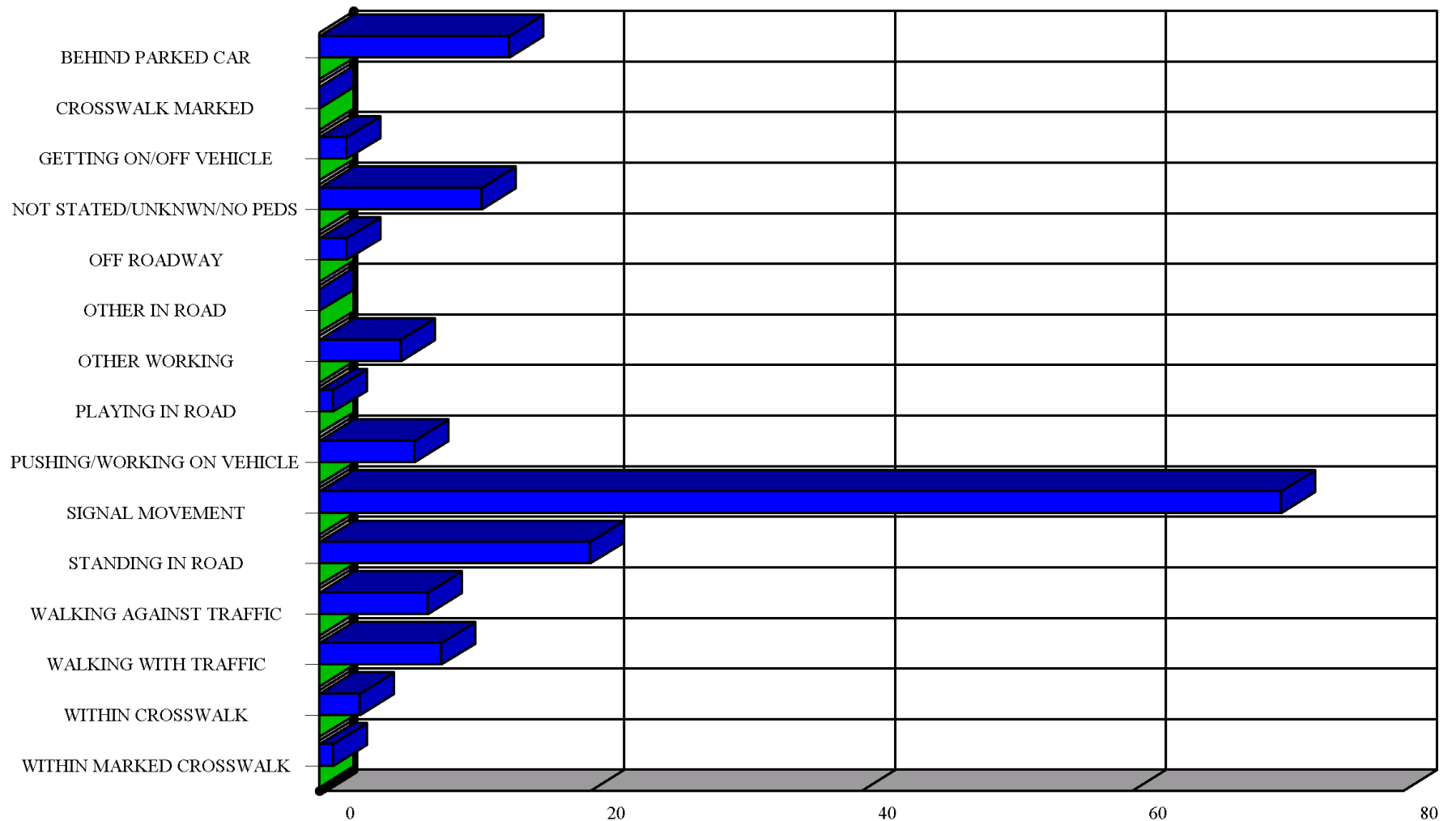


# Missouri Department of Transportation Transportation Planning

Date: 7/3/2003

## Accidents by Pedestrian Maneuver by Light Condition 156 Injuries in Dark Condition

BEH PARK CAR	CROSSWALK MARK	GET ON/OFF VEH	NOT STAT/UNK/NO PEDS	OFF ROAD	OTH IN ROAD	OTH WORK	PUSH/WORK ON VEH	SIG MVMNT	STAND IN ROAD	WALK AGNST TRAF	WALK WITH TRAF
14	0	2	12	2	0	6	7	71	20	8	9



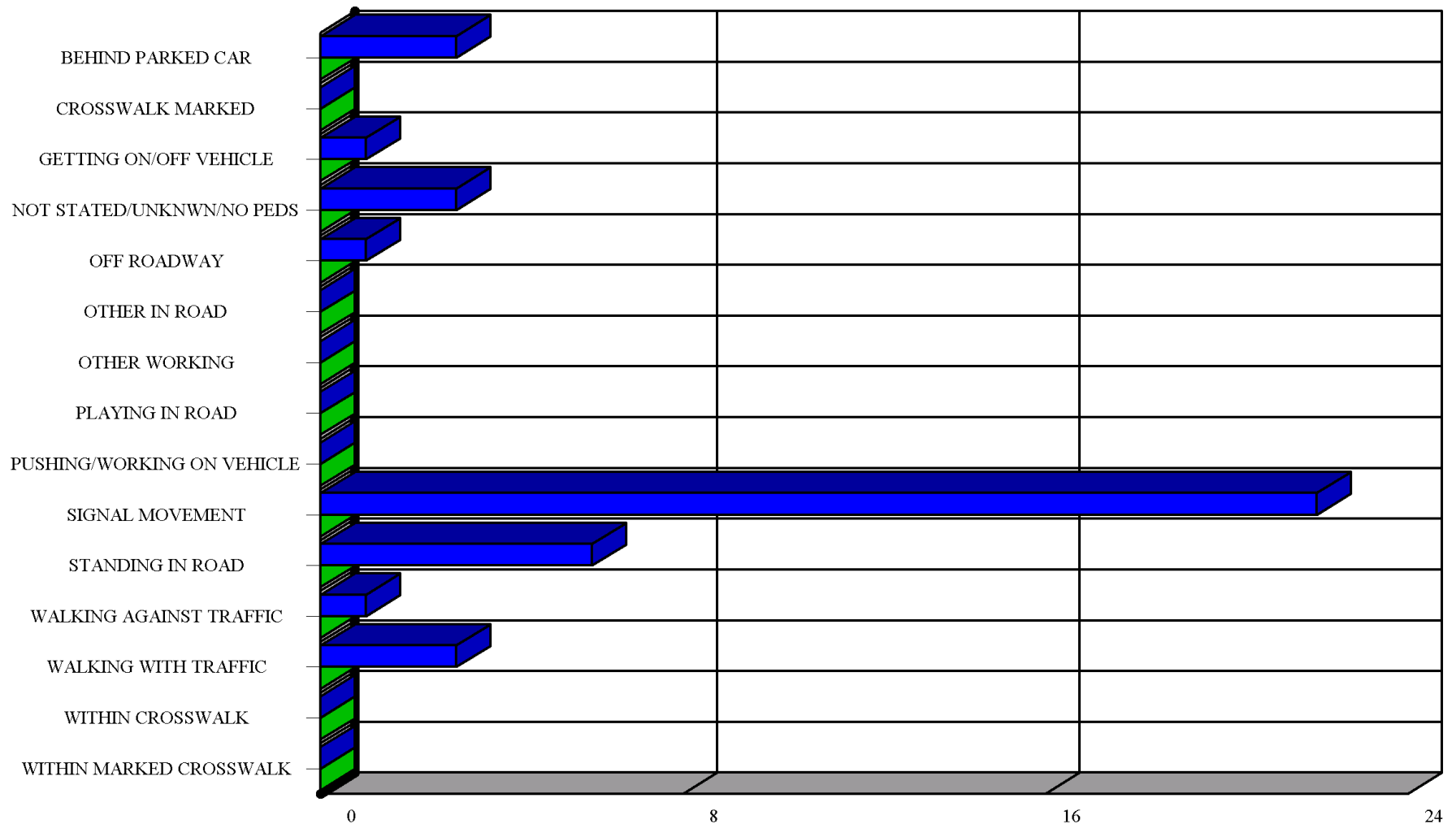


# Missouri Department of Transportation Transportation Planning

Date: 7/3/2003

## Accidents by Pedestrian Maneuver by Light Condition 40 Fatalities in Dark Condition

BEH PARK CAR	CROSSWALK MARK	GET ON/OFF VEH	NOT STAT/UNK/NO PEDS	OFF ROAD	OTH IN ROAD	OTH WORK	PUSH/WORK ON VEH	SIG MVMNT	STAND IN ROAD	WALK AGNST TRAF	WALK WITH TRAF
3	0	1	3	1	0	0	0	22	6	1	3



### **Chapter 1-N : ACCIDENTS BY INVESTIGATOR**

Of the 94,623 accidents occurring on the State Highway System of Missouri in 2002, 36.1% were investigated by the State Highway Patrol and 63.5% were investigated by local agencies.

Of the 822 fatal accidents that occurred in 2002, 79.2% were investigated by the State Highway Patrol and 20.8% were investigated by local agencies.



**Missouri Department of Transportation  
Transportation Planning  
2002 Accidents by Investigator**

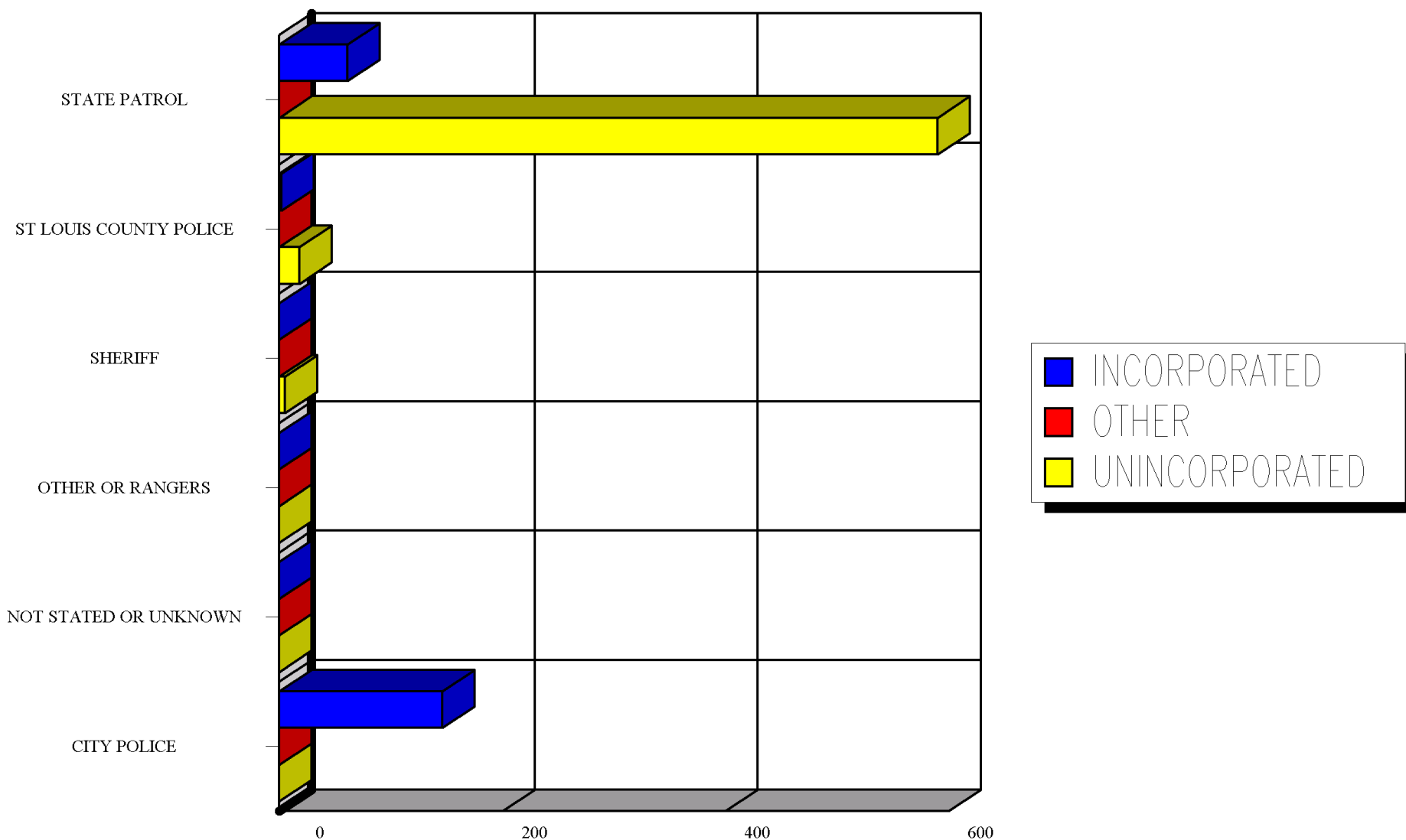
Date: 7/3/2003

INVESTIGATOR	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
<b>UNINCORPORATED</b>						
UNINCORPORATED SHERIFF	5	5	480	660	1,514	1,999
UNINCORPORATED ST LOUIS COUNTY POLICE	18	20	1,067	1,549	2,995	4,080
UNINCORPORATED STATE PATROL	590	666	11,037	17,457	19,047	30,674
<b>INCORPORATED</b>						
INCORPORATED CITY POLICE	146	159	13,668	20,842	39,549	53,363
INCORPORATED SHERIFF	0	0	44	62	162	206
INCORPORATED STATE PATROL	61	70	867	1,402	2,515	3,443
INCORPORATED ST LOUIS COUNTY POLICE	2	2	130	200	329	461
<b>RANGER</b>						
OTHER OR RANGERS	0	0	35	47	137	172
<b>NOT STATED</b>						
NOT STATED OR UNKNOWN	0	0	48	79	177	225
<b>Totals</b>	<b>822</b>	<b>922</b>	<b>27,376</b>	<b>42,298</b>	<b>66,425</b>	<b>94,623</b>



Missouri Department of Transportation  
Transportation Planning  
2002 Fatal Accidents by Investigator  
822 Fatal Accidents

Date: 7/3/2003





Missouri Department of Transportation  
Transportation Planning

Date: 7/3/2003

2002 Accidents by Investigator

94,623 Total Accidents

